Appendix 12-A
File Index (Part 3)

17339. Film Badge Results, January 1955, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*; results reported from January 3, 1955 through January 10, 1955

17340. Film Badge Results, 1953b, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*, results reported for all months in 1953

17341. Film Badge Results, 1954, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*; results reported for all months in 1954

17490. Blatz, 1951, *Trip to Lake Ontario Storage Area-December 10, 1951*, correspondence to Rothenberg; Hanson Blatz; December 14, 1951

53929. Film Badge Results, January-June 1958, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*, results reported from January 6, 1958 through June 23, 1958

53930. Film Badge Results, 1956-1957, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*, results reported from November 5, 1956 through November 18, 1957

53931. Film Badge Results, December 1959, *Lake Ontario Ordnance Works Film Badge Results*, results reported during December 1959

53932. Film Badge Results, 1956, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*, results reported for all months in 1956

60902. Janca, 1959, *Report of KAPL Waste Shipment and Storage at Lake Ontario Ordnance Works*; B. Janca; August 1959

61102. Epp, 1951, *Storage of U Rods at LOOW*, correspondence to V. L. Parsegian; F. J. Epp; March 15, 1951

61103, p. 2. Smith, March 1951, *Progress Report for Week of March 15, 1951*; R. Smith; March 19, 1951

61144. Smith, November 1951b, *Weekly Production Report for November 22, 1951*; R. J. Smith; November 25, 1951, p. 2

61144. Smith, November 1951a, *Weekly Production Report for November 15, 1951*; R. J. Smith; November 21, 1951, p. 3

61183. LOOW, June 1952; *Physical Inventory for LOOW-May 31, 1952*; Lake Ontario Ordnance Works (LOOW); June 26, 1952

17339

Film Badge Results, January 1955, *Lake Ontario Storage Area/ Lake Ontario Ordnance Works Film Badge Results*; Results reported from January 3, 1955 through January 10, 1955

NY-FORM-64
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 1/10/55

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E F		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

Not Worked

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

NY-FORM-84
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UNITED STATES ATOMIC ENERGY COMM. N

NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.

NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 1/3/55

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

17340

Film Badge Results, 1953b, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*, results reported for all months in 1953

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 12/21 & 12/28/53

Badge No.	Name		Density O.W.	Density S.	Density	Exposure, mr e p Beta	Exposure, mr e p Gamma	Exposure, mr e p Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

UNCLASSIFIED
W. J. Lemmon WJL
Critique JORD 2/27/04
Date
Class. Office 84 Pages

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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C8
1/12/54

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 12/14/53

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073	Raffle							
1074	Munsall							
1075	COLLINS							
1076	Showalter							
1077	Malone							
1078	Dembitz							
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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12/30/53

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 12/7/53

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076	R. [redacted] Hubbell							
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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12/22/53 Chart Lw

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3/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING November 30, 1953

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	XXXXXXX R. Raffel							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076	R. Hubbell							
1077	J. Munsall							
1078								
1079								
1080								
1081								
1082	BOWMAN		.07	X	.07	70	X	70
1083								
1084								

ALL READINGS [illegible] 150 MR OR EQUIVALENT UNLESS OTHERWISE MARKED.

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING November 23, 1953

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	XXXXXX B. Raffel							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076	R. Hubble							
1077	J. Munsell							
1078	N. Webb							
1079	F. Unonites							
1080								
1081	W. Kendrick							
1082	BOWMAN							
1083	A. Berta							
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING November 16, 1953

Badge No.	Name		Density O.W.	Density S.		Exposure, mrep Beta	Exposure, mrep Gamma	Exposure, mrep Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074	J. Jarrett							
1075	COLLINS							
1076								
1077	Lavern Webb							
1078	Norman Webb							
1079	F. Uonites							
1080								
1081	W. Kendrick							
1082	[redacted] Martin							
1083	A. Berti							
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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11/30/53

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3/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY Lab WEEK BEGINNING 11-2-53

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	.S.		Beta	Gamma	Total
1070								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—

11/17/53 Chas Lu

NY-FORM-24
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY Lowell WEEK BEGINNING 10/26/53

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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11/10/53 L.W. chart

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT 2 OSA

WEEK BEGINNING 9-7-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076	Brado	Guard					
1077							
1078	Di Ramio	Scaffnei					
1079	Webb	"					
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2118 9
9-21-53

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 8-31-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr		
				Beta	Gamma	Total
1070	Maffucci					
1071	Westervelt					
1072	Ringvelski					
1073	Edukonis					
1074	Meade					
1075	Collins					
1076	Brodo	A.E.C.				
1077	Freihauth	S+B				
1078	Di Ramio	Scrafari				
1079	Webb	"				
1080	Biggie	Cretier				
1081	Rosenberger	Cretier				
1082	Bowman					
1083	Miller	Cretier				
1084	Whittaker					

2114-5
9/15/53
SR

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 8/17/53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076	Beado	AEC					
1077	Freishman	S & B					
1078	Di Ramio	Scrufari					
1079	Webb	Scrufari					
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2110-2111
9-1-53
SR

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT Loop N

WEEK BEGINNING 8-10

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski	Lost - Replaced					
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2106-7
8-25-53

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 7-27-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr		
				Beta	Gamma	Total
1070	Maffucci					
1071	Westervelt					
1072	Ringvelski					
1073	Edukonis					
1074	Meade					
1075	Collins					
1076	BRADO					
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083						
1084	Whittaker					

2098-99 8/11/-

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSL.

WEEK BEGINNING 7-20-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076	Brooks						
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2094-95

8/4/53 LW

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT 200W

WEEK BEGINNING 7-13-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2088-89
7/27/53

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 7-6-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2084-85
7/20/53

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 6-27-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski	Lost			missing		
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

380-81 7/14/53

Lw

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT Lasa

WEEK BEGINNING Oct 19/53

Badges not worn from 9/21 - 10/19

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077	Mr. A.E. Gorman						
1078							
1079							
1080							
1081							
1082	Bowman						
1083	Dr. Renn						
1084	Whittaker						

2142-3
11/2/53
SL

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT L 05A

WEEK BEGINNING 9-14-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Dembitz ~~Nalfusci~~	S+B					
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077	Gerick	S+B					
1078	De Ronis	S+B					
1079	Webb	S+B					
1080							
1081	Munsell	S+B					
1082	Bowman						
1083							
1084	Whittaker						

9/29/53
SR
2122-3

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING ~~8/31/53~~ 8/24/53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076	Brodo	AEC. Guard					
1077	Wichmann	Eng. Segmente + Bldg					
1078	Di Romio	Cont. Serufari					
1079	Webb	" Serufari					
1080	Biggio	Chester					
1081	Rosenberger	Chester					
1082	Bowman						
1083	C. Miller	Chester					
1084	Whittaker						

2112-3
9-9-53
91

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT L.O.S.A

WEEK BEGINNING 8-3-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076	Beado	Guard					
1077	Krufcka	Eng.					
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2102-03 8/18/53

Lw

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 6-22-5

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081	McWaltrus						
1082	Bowman						
1083	Cummings						
1084	Whittaker						

2076-77
7/7/53

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT 205a

WEEK BEGINNING 6/15/53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2074-75
4/30/53 Lu

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 6-8-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2070-71 6/24/53

Lw

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT 200W

WEEK BEGINNING 6-1-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman	ONE BADGE for the week				5-18-53	
1083							
1084	Whittaker						

2064-5
6-15-53
SL

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT TOA

WEEK BEGINNING May 2

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Colline						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						

2060-61
6/8/53
SR

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT Losa

WEEK BEGINNING May 18/53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	Maffucci						
1071	Westervelt						
1072	Ringvelski						
1073	Edukonis						
1074	Meade						
1075	Collins						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman		(replaced)	Missing			
1083							
1084	Whittaker						

2058-59

6/2/53

LW

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.

FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 5-11-53

Badge No.	Name	Job Description	Soc. Sec.	Exposure, mr			
				Beta	Gamma	Total	
1070	~~Maffucci~~						
1071	~~Westervelt~~						
1072	~~Ringuelski~~						
1073	Edukonis						
1074	~~Monte~~						
1075	~~Collins~~						
1076							
1077							
1078							
1079							
1080							
1081							
1082	Bowman						
1083							
1084	Whittaker						
1089	Westervelt						
1091	Maffucci						
1093	Collins						
1095	Ringuelski						

2052-53
5/26/53
SR

NYDO-RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT Zon
WEEK BEGINNING 4/27 + 5/4

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Udukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Amsdill					
1087	Mead					
1088	Schoonmaker			missing		
1089	Westervelt					
1090						
1091	Hershman					
1092	Crown					
1093	Collins					
1094						

2096-49
5/19/53

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT Fon

WEEK BEGINNING 4/27 5/4

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Pingvelski					
1096	Fontanarosa					

2048-49
5/19/53
OK

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 4/20

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Hudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Amsdill					
1087	Mead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Hershman					
1092	Crown					
1093	Collins					
1094						

2040 - 41 - 53
5 - 5

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT: LOSA
WEEK BEGINNING: 4/20

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Pingvelski					
1096	Fontanarosa					

2040-41
5-5-53

* less than 50 mr

1953

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 4/13

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Amsdill					
1087	Mead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	~~Hershman~~ J Maffucci					
1092	Crown					
1093	Collins					
1094						

* less than 50 mr

2038-39 4/28/53 Lw

1953

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 4/13

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Pinevelski					
1096	Fontanarosa					

* less than 50 mr

2038-39 4/28/53 LW

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 4/6

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Amsdill					
1087	Mead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Hershman					
1092	Crown					
1093	Collins					
1094						

2032-2033
4-21-8

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 4/6

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Pinevelski					
1096	Fontanarosa					

2022-20-33
4-21-53
SR

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT 205A
WEEK BEGINNING 3/30

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1070						
1071						
1072	Hudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Amsdill					
1087	Mead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Hershman					
1092	Crown					
1093	Collins					
1094						

2028 9
4-13-53
RC

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT: LOSA
WEEK BEGINNING: 3/30

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Ringvelski					
1096	Fontanarosa					

2028
9
1-13-57
52

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 3/23

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Amsdill					
1087	Mead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Hershman					
1092	Crown					
1093	Collins					
1094						

5 53
2024 4 16 SL

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSH
WEEK BEGINNING 3/23

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Ringvelski					
1096	Fontanarosa					

20 x 5 53
4 x 6 53

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 3/9 4 3/16

(2 weeks)

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1070						
1071						
1072	Hudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Amsdill					
1087	Mead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Hershman					
1092	Crown					
1093	Collins					
1094						

2020-2021
3-30-53
4

* less than 50 mr

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 3/9 2 3/16

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Ringvelski					
1096	Fontanarosa					

2020-2021
3-30-53

* less than 50 mr

NYDO RADIOLOGICAL
FILM BADGE REPORT

LOSA
DATE RECEIVED 3/2

Badge No.	Name	[illegible]	[illegible]	Exposure, mr		
				Beta	Gamma	Total
[illegible]						
[illegible]						
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					

2012-13
3-16-53
R

.29 x .29 360 x 360

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 3/2

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1095	Ringvelski		.075 x .075	90	x	90
1096	Fontanarosa		x x x	x	x	x

2012-13
3-16-57
8h

* less than 50 mr

NYDO RADIOLOGICAL [illegible] PLANT LOSA
FILM BADGE REPORT WEEK BEGINNING 2/23

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Sokonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Pettis					
1084	[illegible]					
1085	[illegible]					
1086	[illegible]					
1087	Lead					
1088	[illegible]					
1089	[illegible]					
[illegible]						
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]						

2008-9
3-9-53

NYDO RADIOLOGICAL [illegible] FILM BADGE REPORT

PLANT LOSA

WEEK BEGINNING 2/23

Badge No.	Name	[illegible]	[illegible]	Dec. No.	Exposure, mr Beta	Gamma	Total
1095	In[illegible]						
1098	Por[illegible]						

2008-9
3-9-53
[illegible]

NYDO RADIOLOGICAL [illegible]
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 2/16

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Whittaker					
1085	Davis					
1086	Smedill					
1087	Lead					
1088	Schoonmaker					
1089	[illegible]					
[illegible]						
[illegible]	[illegible]					
[illegible]						
[illegible]						
[illegible]						

200 4-5-53
3-3-8

NYDO RADIOLOGICAL LABORATORY, [illegible] PLANT LOSA
FILM BADGE REPORT WEEK BEGINNING 2/16

Badge No.	Name	[illegible]	Soc. No.	Beta	Gamma	Total
				Dosage, mr		
1088	[illegible]					
1096	[illegible]					

2004-5-17
3-5-4

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 2/9

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Kittaker					
1085	Davis					
1086	Amadill	Extra clear from only exposure announcing				
1087	Lead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Herstman					
1092	Kern					
1093	Wallace					
1094						

2000 01.37
2-24-57

NYDO RADIOLOGICAL LABORATORY, U.S. A.E.C. PLANT LOS 72

FILM BADGE REPORT WEEK BEGINNING 2/9

Badge No.	Name	[illegible]	[illegible]	Exposure, mr		
				Beta	Gamma	Total
1095	[illegible]					
1096	[illegible]					

2000-01
2-24-53
[illegible]

NYDO RADIOLOGICAL [illegible] PLANT LOSA
FILM BADGE REPORT PERIOD BEGINNING 2/2

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukonis					
1074						
1075						
1076	Amsdill					
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Bittaker					
1085	Davis					
1086	Amsdill	Nat Reid. (Issued 1076) Missing				
1087	Lead					
1088	Schoonmaker					
1089	Westerfelt					
1090						
1091	Gerstlow					
1092	[illegible]	1096 ↗ 2-16-53				
[illegible]	[illegible]					

NYDO RADIOLOGICAL LABORATORY, U.S. A.E.C.
FILM BADGE REPORT

PLANT LOSA
PERIOD STARTING 2/2

Badge No.	Name	[illegible]	[illegible]	Exposure, mr Beta	Gamma	Total
1095	[illegible]					
1098	Northcutt					

1096-7
2/16-53

YDO RADIOLOGICAL LABORATORY, U.S. A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 1/26

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Rudo					
1073	Edukonis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Sittaker					
1085	Davis					
1086	Amsdill					
1087	Lead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Bersiman					
1092	Brown		15	5.60	×	60
1093	Collins					
1094						

NYDO RADIOLOGICAL [illegible], U.S.A.E.C.
FILM BADGE REPORT

[illegible] *LOSA*
[illegible] BEGINNING *1/26*

Badge No.	Name	[illegible]	[illegible] No.	Exposure, mr		
				Beta	Gamma	Total
1095	[illegible]		/ /	\	/	/
[illegible]	[illegible]		.05 × .05	×	60	60

1092 9

JO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSH
WEEK BEGINNING 1/19

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukonis					
1074			71 x .11	120	x	120
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Tittaker					
1085	Davis					
1086	Amsdill					
1087	Lead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Bersluman					
1092	Crown					
1093	Collins					
1094						

1088 - 1089
2 - 2 - 53
JC

Not received

replaced

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 1/19

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1095	Pinovelski		107 X 107	77	X	77
1096	Montanarosa		X	X	X	X

1088-89-53
12-2-82

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSB
WEEK BEGINNING 1/12

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr Beta	Gamma	Total
1070						
1071						
1072	Nudo					
1073	Edukanis					
1074						
1075						
1076						
1077						
1078						
1079						
1080						
1081						
1082	Bowman					
1083	Betts					
1084	Mittaker					
1085	Davis					
1086	Amsdill					
1087	Lead					
1088	Schoonmaker					
1089	Westervelt					
1090						
1091	Hershman					
1092	Brown					
1093	Collins					
1094						

10 Feb /53
1-26 [illegible]

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT LOSA
WEEK BEGINNING 1/12

Badge No.	Name	Job Description	Soc. Sec. No.	Exposure, mr		
				Beta	Gamma	Total
1095	Pinrvelski					
109[illegible]	Pontanarosa					

1084-5
1-26-53

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT 403A
WEEK BEGINNING 1/5

Badge No.	Name	Job Description	Out	Inc. Sec. B		Exposure, mr Beta	Gamma	Total
1070			X					
1071								
1072	Nudo		.06	X	.06	70	X	70
1073	Edukonis		X					
1074			X					
1075			X					
1076			X					
1077			X					
1078			X					
1079			X					
1080			X					
1081			X					
1082	Bowman		X					
1083	Betts		X					
1084	Wittaker		X					
1085	Davis		X					
1086	Amsdill	Lost	—		replaced			
1087	Lead		X					
1088	Schoonmaker		X					
1089	Westervelt		X					
1090			X					
1091	Hershman		X					
1092	Crown		X					
1093	Collins		X					
1094			X					

1080-81 1/20/53

NYDO RADIOLOGICAL LABORATORY, U.S.A.E.C.
FILM BADGE REPORT

PLANT 2032
WEEK BEGINNING 1/5

Badge No.	Name	Job Description	Sec. Sec. No.			Exposure, mr		
						Beta	Gamma	Total
1095	Pinevelski		.075	.03	.03	35	30	65
1096	Fontanarosa		.145	.095	X	X	95	95
			080-81			1/20/53		

17341

Film Badge Results, 1954, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results*; results reported for all months in 1954

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 12/20/54-12/30/54

BADGE NO.	NAME		DENSITY O. W.	DENSITY S.		EXPOSURE, MR E P BETA	GAMMA	TOTAL
1070	Walker		.07	.04			45	45
1071	Westervelt		.09	.09			90	90
1072	Ringvelski		.15	.14			140	140
1073								
1074								
1075	Collins		.12	.095			95	95
1076								
1077								
1078								
1079								
1080			.145	.11			110	110
1081								
1082	Bowman		.17	.13			130	130
1083								
1084								

UNCLASSIFIED
W. J. Lemmon WJL
Critique Jerc 2/22/54
Date
Ass. Office 51 Pages

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

1/11/55
LW

NY-FORM-84
9/53

UNITED STATES ATOMIC ENERGY COMM ION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 12/13/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

Not issued

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 12/6/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

Not Needed

*NOTE: Where no exposure figure is given, the measured exposure is less than 150-mr or equivalent.

Lw

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COM. SION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30. ANSONIA STA.
NEW YORK 23. N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 11/29/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

Not issued

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 11/22/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

12/7/54
Sa

NY-FORM-84
9/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 11/15/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker	Not Used						
1071	Westervelt	Not Used						
1072	Ringvelski							
1073		Not Used						
1074								
1075	Collins							
1076		Not Used						
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								
		Not Used						

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

11/30/54
SM

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 11/7/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins		.16	.115			130	130
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman		.165	.11			125	125
1083								
1084	Balzjewski		.145	.105			120	120

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

11/22/54 LW

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 11/1/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	~~Westervelt~~							
1072	~~Ringevelski~~							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080	BALJEWSKI							
1081	SEAGER							
1082	Bowman							
1083	RINGVELSKI							
1084	WESTERVELT							

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

11/16/54 [illegible]

NY-FORM-84
0/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 10/25/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

Not Used

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 10/18/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

NY-FORM-84
8/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 10/11/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

ok Lw

NY-FORM-94
8/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 10/4/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

10/19/54 LW

NY-FORM-84
5/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 9/27/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

10/12/54

NY-FORM-64
8/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 9/20/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

10/5/54 LW

NY-FORM-84
8/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 9/13/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

9/29/54 LW

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 9/6/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

9/29/54 LW

NY-FORM-84
6/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 8/30/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150-mr or equivalent.

9/14/54 Lew

NY-FORM-84
0/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 8/23/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

9/9/54 LW

NY-FORM-84
8/53

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 8/16/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150-mr or equivalent.

8/31/54 [illegible]

NY-FORM-84
8/53

UNITED STATES ATOMIC ENERGY COMMISSION

NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.

NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 8/9/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P		
			O. W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								
	[redacted]							

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

8/24/54 Lw

NY-FORM-84
8/53

UNITED STATES ATOMIC ENERGY COMMI N
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORTORY LOSA WEEK BEGINNING 8/2/54

BADGE NO.	NAME		DENSITY			EXPOSURE, MR E P/		
			W.	S.		BETA	GAMMA	TOTAL
1070	Walker							
1071	Westervelt							
1072	Ringvelski							
1073								
1074								
1075	Collins							
1076								
1077								
1078								
1079								
1080								
1081								
1082	Bowman							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

8/17/54 LW

NY-FORM-84
8/52

[illegible] DIVISION

PLANT OR LABORATORY [illegible] WEEK BEGINNING 7/26/54

Badge No.	Name		Density			Exposure, mrep		
			O.W.	S.		Beta	Gamma	Total
1070	[illegible]							
1071	[illegible]							
1072	[illegible]							
1073								
1074								
1075	[illegible]							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than (50) mrep or equivalent.

U.S. Government Printing Office—1952—219767

8/10/54 [illegible]

NY-FORM-84
6/52

[illegible] DIVISION

[illegible] BATCH REPORT

PLANT OR LABORATORY LASA WEEK BEGINNING 7/19/54

Badge No	Name			Density O.W	Density S		Exposure, mrep Beta	Exposure, mrep Gamma	Exposure, mrep Total
1070	[illegible]								
1071	[illegible]								
1072	[illegible]								
1073									
1074									
1075	[illegible]								
1076									
1077									
1078									
1079									
1080									
1081									
1082	[illegible]								
1083									
1084									

PLEASE SEND ME A MASTER OF THIS FORM

H.H.Betts

H.H.Betts

*NOTE: Where no exposure figure is given the measured exposure is less than 150 mr or equivalent

U. S. Government Printing Office—1952—219787

7/4/54 Lw

NY-FORM-64
6/52

UNITED [illegible]

[illegible]

HEALTH AND SAFETY DIVISION

[illegible]

NEW YORK [illegible]

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 7/12/54

Badge No.	Name		Density O.W.	Density S		Exposure, mrem Beta	Exposure, mrem Gamma	Exposure, mrem Total
1070	WALKER							
1071	ROOSEVELT							
1072	SINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

WILL YOU PLEASE SEND ME A MASTER SO I CAN RUN OFF SOME MORE FORMS.

THANKS.

H.H.Betts

*NOTE: Where no exposure figure is given, the measured exposure is [illegible] 150 mr or equivalent

U.S. Government Printing Office—1952—219167

7/27/54 LW

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 7/5/54

Badge No.	Name		Density			Exposure, mr e p		
			Q.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

7/20/54 Lw

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 6/28/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

KJB 7-13-54

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 6/21/54

Badge No.	Name		Density O.W.	Density S.		Exposure, mr e p Beta	Exposure, mr e p Gamma	Exposure, mr e p Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

KOB 7-7-54

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING June 14, 1954

Badge No.	Name		Density			Exposure, mr e p		
			Q.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

6/29/54 LW

NY-FORM-64
9/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 6/7/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

6/22/54 [illegible]

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 5/31/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

6/15/54 Lw

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 5/24/54

Badge No.	Name		Density O.W.	Density S.	Density QB	Exposure, mr e p Beta	Exposure, mr e p Gamma	Exposure, mr e p Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079	A. Linton							
1080	S. Desso							
1081	T. Scanlon		.075	x	075	75	x	75
1082	~~EDWAR~~ C. Deyo							
1083	C. Johnpier							
1084	W. Jensen (LOst)		(replaced)					

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

6/8/54 [illegible]

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 5/17/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

6/2/54 LW

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 5/10/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

5/25/54 LW

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 5/3/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

5/18/54 Lw

NY-FORM-84
8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 4/26/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

5/11/54 Lw

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 4/19/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

☆U. S. Government Printing Office—1952—219757

5/4/54 [illegible]

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 4/12/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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4/27/54 CH Lee

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 4/5/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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4/20/54 Ch. Lw

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 3/29/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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4/13/54 ch. LW

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 3/22/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 3/15/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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3/30/54 Ch. Lew

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8/52

UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 3/8/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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3/22/54

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 3/1/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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3/16/54 ch. LW

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 2/22/54

Badge No.	Name		Density O.W.	Density S.		Exposure, mr e p Beta	Exposure, mr e p Gamma	Exposure, mr e p Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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3/10/54 Ch. Lee

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 2/15/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 2/8/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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2-24-54 Lw Clark

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 2/1/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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2-16-54 chart fw

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 1/25/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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2/9/54 chart Lw

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 1/18/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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2/2/54 chart Lin

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 1/11/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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1/26/54 Lw

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UNITED STATES ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

HEALTH AND SAFETY DIVISION

P. O. BOX 30, ANSONIA STA.
NEW YORK 23, N. Y.

FILM BADGE REPORT

PLANT OR LABORATORY LOSA WEEK BEGINNING 1/4/54

Badge No.	Name		Density			Exposure, mr e p		
			O.W.	S.		Beta	Gamma	Total
1070	WALKER							
1071	WESTERVELT							
1072	RINGVELSKI							
1073								
1074								
1075	COLLINS							
1076								
1077								
1078								
1079								
1080								
1081								
1082	BOWMAN							
1083								
1084								

*NOTE: Where no exposure figure is given, the measured exposure is less than 150 mr or equivalent.

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1/19/54 Chart Lw

17490

Blatz, 1951, *Trip to Lake Ontario Storage Area-December 10, 1951*, Correspondence to Rothenberg; Hanson Blatz; December 14, 1951

141786

3.1

2.23.12

Hanson Blatz, Chief, Radiation Branch, Health & Safety Division

December 14, 1951

Sam. A. Rothenberg

TRIP TO LAKE ONTARIO STORAGE AREA - DECEMBER 10, 1951

SYMBOL: HSR:HB:rq

Loose

HEALTH & SAFETY 3-4

The purpose of this trip was to monitor shipments of scrap steel and Thorium billets in response to a request from the Administrative Operations Division.

One thousand (1000) tons of scrap steel (drums and engine parts) were originally contaminated by fission products, yellow salt and concrete flooring. This scrap was measured and remelted last year (sample 600 lbs.) and the contaminant was removed during the remelting. Since the scrap was found to be useable it was sold to the Diamond Magnesium Company of Luckey, Ohio, to be used in the processing of Magnesium. It will be shipped in boxcars at the rate of 10 tons (3 boxcars) per day. At the time of monitoring, loading had not begun and the measurement were made directly at the scrap pile. The following samples were used:

1. Drum-inside covered with yellow crust.
   Beta plus gamma = 20 mrep/hr
   Gamma = 1 mr/hr at contact inside.

Concrete inside drum
   Beta plus gamma = 1 mrep/hr
   gamma = .05 mr/hr at surface

Steel sheet
   Beta plus gamma = 5 mrep/hr
   gamma = .05 mr/hr

One brick heavily incrusted with yellow salt was found to read over 20 mrep/hr beta plus gamma and 1.5 mr/hr gamma at contact.

This indicates that the yellow salt is the offending contaminant in most of the scrap.

In view of the conditions under which this steel was measured, the condition which will prevail after loading will be well within the I.C.C. regulations. The monitoring will continue, however, by the personnel at L.O.S.A. all through the loading.

OFFICE→	HSR					
SURNAME→	ROTHENBERG					
DATE→						

A large number of thorium billets are to be conveyed to Simonds Saw Co. for processing. The entire pile of crates together were measured

over 20 mr/hr gamma at contact
10 mr/hr gamma at 50 cm.

A single crate was measured

15 mr/hr gamma at contact
2 mr/hr gamma at 1 meter

These are within I.C.C. regulations if labelled properly.

CC: H. Baum, Administrative Operations

OFFICE→						
SURNAME→						
DATE→						

53929

Film Badge Results, January-June 1958, *Lake Ontario Storage Area/ Lake Ontario Ordnance Works Film Badge Results*, results reported from January 6, 1958 through June 23, 1958

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or
Laboratory: Hooker Chemical Corp., P-31, Model City, New York. Contract # AT-(30-1)-1524

Period
From: Feb. 24, 1958 through May 26,1958.

NAME	EXPOSURES Gamma or X-Ray mr	Fast Neutrons (% M P L)	Other	REMARKS
C. Chesterfield	10	0		
C. Bowman	10	0		
J. Ringvelski	130	0		
W. Collins	95	0		
A. Blazejewski	70	Under 10%	45	
H. Kania	40	0		
A. Winslow	35	0	40	
S. Pisarski	15	0	45	
P. Seager	20	0	10	
J. Sweeney	5	0		
J. Hanner	0	0		
W. St. Onge	0	0		
C. Allen	0	0		
W. Amsdill	0	0		
E. Saller	0	0		
G. Cox	0	0		
A. Brown	0	0		
J. Adams	0	Under 5%		
H. Olotka	0	Under 10%		
M. Saulino	0	Under 10%		
M. Weinstein	0	Under 5%		

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory: Hooker Chemical Corp., P-31, Model City, New York.

Contract # AT-(30-1)-1524

Period From: Feb. 24, 1958 through May 26,1958.

NAME	EXPOSURES Gamma or X-Ray mr	Fast Neutrons (% M P L)	Other	REMARKS
M. Jeffs	0	Under 10%		
E. Christofano	0	Under 5%		
F. Bartlett	0	Under 5%		
R. Pattison	0	Under 10%		
T. Gebensleben	0	Under 10%		
A. Bartlett	0	Under 10%		
L. Byers	0	Under 5%		
F. Malone	0	Under 10%		
R. Cooper	0	Under 10%		
O. A. Boots	0	Under 10%		
J. Haun	0	Under 5%		
R. J. McAllister	0	Under 5%		

Note: Gamma or X-Ray exposures recorded as "0" indicates less than 20 Milliroentgens of High Energy X or Gamma Radiation or less than 5 Milliroentgens of Low Energy X-Ray.

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1514
Date 7/1/58
By SMK
Checked

Week
(Exposure Period)

Beginning JUNE 23, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-000	0			
	001	0			
	002	0			
	003	20			
	004	0			
	005	20			
	006	25			
	007	0			
	008	15			
	009	0			
	010	0			
	011	B			
	012	0			
	013	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1512
Date 6/30/58
By SMK
Checked

Week _____ (Exposure Period) Beginning JUNE 16, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-000	0			
	001	0			
	002	0			
	003	A			
	004	20			
	005	40			
	006	30			
	007	0			
	008	0			
	009	0			
	010	0			
	011	0			
	012	0			
	013	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1504
Date 6/21/58
By SMK
Checked RD

Week _____ (Exposure Period) Beginning June 9, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-000	0			
	001	0			
	002	30			
	003	20			
	004	20			
	005	40			
	006	35			
	007	30			
	008	15			
	009	0			
	010	0			
	011	0			
	012	0			
	013	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1495
Date 6/13/58
By JW
Checked SH

Week C
(Exposure Period)

Beginning JUNE 2, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-000	0			
	001	0			
	002	0			
	003	20			
	004	0			
	005	30			
	006	20			
	007	0			
	008	0			
	009	0			
	010	0			
	011	0			
	012	0			
	013	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below
E—Irregular Exposure

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1483
Date 6/4/58
By SMK
Checked

Week (Exposure Period) Beginning MAY 26, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-000	0			
	001	0			
	002	0			
	003	15			
	004	0			
	005	0			
	006	0			
	007	0			
	008	0			
	009	0			
	010	0			
	011	0			
	012	0			
	013	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1473
Date 5/20/58
By SMK
Checked

Week (Exposure Period) Beginning MAY 19, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0			
	007	0			
	008	0			
	009	0			
	010	0			
	011	0			
	012	0			
	013	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

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% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1464
Date 5/24/58
By PJS
Checked

Week
(Exposure Period)

Beginning MAY 12, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	10			
	003	0			
	004	0			
	005	0			
	006	0			
	007	0			
	008	0			
	009	B			
	010	0			
	011	0			
	012	0			
	013	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

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For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1458
Date 5/15/58
By jw
Checked

Order No. AEC-5218

Week (Exposure Period) Beginning May 5, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	20			
	004	10			
	005	10			
	006	20			
	007	0			
	008	0			
	009	0			
	010	0			
	011	0			
	012	0			
	013	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS '0' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RMD
Model City, N. Y.

Attn. J. W. Hamm

REPORT OF FILM BADGE EXPOSURE

Process No. [illegible]
Date 5/2/58
By Jo
Checked [illegible]

Week (Exposure Period) Beginning April 23, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1444
Date 5/6/58
By jw
Checked

Week (Exposure Period) Beginning April 21, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	Fast neutron (%MPL)		Notes
	15-006	0	under 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0	"		

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1432
Date 5/1/58
By JW
Checked RJ

Week
(Exposure Period)

Beginning APRIL 21, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
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Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

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For Hooker Electrochemical Co.
S A.E.C. Plant 15RMD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1418
Date 4/24/58
By JW
Checked K

Week
(Exposure Period)

Beginning APRIL 14, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	25			
	004	30			
	005	0			
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

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Park Forest, Illinois

For Hooker Electrochemical Co.
& A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1403
Date 4/17/58
By JW
Checked

Week C (Exposure Period) Beginning April 7, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	OTHER ARBITRARY UNITS		Notes
	15-001	0			
	002	0			
	003	15			
	004	15			
	005	15			
	017	0			
	018	5	40		C
	019	15	45		C
	020	5	10		
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1418
Date 4/24/58
By JW
Checked

Week
(Exposure Period)

Beginning APRIL 7, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0	"		

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

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Park Forest, Illinois

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% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1193
Date 4-11-58
By JGB
Checked L. H.

Week (Exposure Period) Beginning March 21, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	017	0			
	018	0			
	019	0			
	020	0			
	021	5			
	022	0			
	023	0			
	024	0			

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1393
Date 4/11/58
By JW
Checked L. H.

Two Weeks (Exposure Period) Beginning MARCH 24, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-000	0	5%		
	006	0	UNDER 5%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0	"		

A—Not Returned C—Evidence of Possible Contamination E—Irregular Exposure
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

Readings listed as "other" are given in arbitrary units (not in MR) and are usually due to X-Ray below 20 KEV or beta radiation (when beta energy is unspecified).

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For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

Two Weeks
(Exposure Period)

REPORT OF FILM BADGE EXPOSURE

Process No. 1376
Date 4/3/58
By SMK
Checked RJ

Beginning MARCH 24, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	017	0			
	018	10			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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Address Mail:
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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

Week

REPORT OF FILM BADGE EXPOSURE

Process No. 1364
Date 3-27-58
By yab
Checked

(Exposure Period) Beginning March 17, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	30			
	004	25			
	005	25			
	017	15			
	018	20			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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Address Mail:
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Park Forest, Illinois

For Hooker Electrochemical Co.
Box 82
Model City, New York
Attn: J. W. Haun

15RNAD

Two Weeks
(Exposure Period)

REPORT OF FILM BADGE EXPOSURE

Process No. 1364
Date 3-27-58
By yab
Checked S. H.

Beginning March 10, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	Fast Neutrons (%MPL)		Notes
	15-006	0	Under 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0	"		

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1345
Date 3/20/58
By SMK
Checked KJ

Week
(Exposure Period)

Beginning MARCH 10, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	10			
	002	0			
	003	25			
	004	15			
	005	15			
	017	5			
	018	0			
	019	0			
	020	15			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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Park Forest, Illinois

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% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1331
Date 3/14/58
By SMK
Checked KY

Week (Exposure Period)

Beginning MARCH 3, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	OTHER ARBITRARY	UNITS	Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	5	45		
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1317
Date 3/7/58
By JW
Checked

Week (Exposure Period) Beginning FEBRUARY 24, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	15			
	004	0			
	005	0			
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

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Address Mail:
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For Hooker Electrochemical Co.
Box 82
Model City, New York
Attn: J. W. Haun

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REPORT OF FILM BADGE EXPOSURE

Process No. 1331
Date 3/14/58
By SMK
Checked

Two Weeks (Exposure Period)

Beginning FEBRUARY 24, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-006	0	UNDER 5%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0	"		

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1300
Date 2/26/58
By RLD
Checked

Week
(Exposure Period)

Beginning FEBRUARY 18, 1958
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1300
Date 2/26/58
By RLD
Checked L. J. H.

Two Weeks (Exposure Period)

Beginning FEBRUARY 10, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-006	0	UNDER 5%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0	" "		

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation
5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to ex
year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1271
Date 2/12/58
By JW
Checked

Week (Exposure Period) Beginning FEBRUARY 3, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	20			
	002	110			
	003	65			
	004	200			
	005				B
	017	100			
	018	35			
	019	0			
	020	70			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
Box 82
Model City, New York

Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 1271
Date 2/12/58
By JW
Checked

Two Weeks (Exposure Period) Beginning (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-006	0	UNDER 5%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	40	"		
	011	0	"		
	012	0	"		
	013	20	5%		
	014	0	UNDER 5%		
	015	0	"		
	016	0	"		

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1255
Date 2/6/58
By RLD
Checked

Week (Exposure Period) Beginning JANUARY 27, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	100			
	002	105			
	003	75			
	004	0			
	005	140			
	017	85			
	018	0			
	019	50			
	020	95			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

Matteson, Illinois Pilgrim 6-7900

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1238
Date 1/30/58
By RLD
Checked

Two Weeks (Exposure Period) Beginning JANUARY 20, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	70			
	002	90			
	003	120			
	004	25			
	005	90			
	017	170			
	018	10			
	019	0			
	020	110			
	021	0			
	022	0			
	023	15			
	024	70			

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co.

Matteson, Illinois

We Have Moved!

TO 3920 216th STREET, MATTESON, ILLINOIS
NEW PHONE UNTIL FEB. 1st — SKyline 6-7900
AFTER FEB. 1st — PIlgrim 6-7900
— MAILING ADDRESS —
P. O. BOX 6, PARK FOREST, ILLINOIS

Address Mail:
P. O. Box 6,
Park Forest, Illinois

For Hooker Electrochemical Co.
Box 82
Model City, New York

Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 1238
Date 1/30/58
By RLD
Checked

Two Weeks (Exposure Period)

Beginning JANUARY 13, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-006	0	UNDER 5%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	20	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0	" "		

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1225
Date 1/23/58
By RLD
Checked [illegible]

Week (Exposure Period) Beginning JANUARY 13, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	150			
	002	310			
	003	250			
	004	150			
	005	230			
	017	370			
	018	35			
	019	0			
	020	145			
	021	0			
	022	0			
	023	0			
	024	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and ... ety

24 Plaza, Park Forest, Ill

We Have Moved!

TO 3920 216th STREET, MATTESON, ILLINOIS
NEW PHONE UNTIL FEB. 1st — SKyline 6-7900
AFTER FEB. 1st — PIlgrim 6-7900
— MAILING ADDRESS —
P. O. BOX 6, PARK FOREST, ILLINOIS

For Hooker Electrochemical Co.
% A.E.C. Plant 15RWD
Model City, N. Y.

Attn. J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1213
Date 1/18/58
By RLD
Checked

Week (Exposure Period) Beginning JANUARY 6, 1958 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	55			
	002	85			
	003	100			
	004	35			
	005	65			
	017	70			
	018	0			
	019	0			
	020	0			
	021	0			
	022	30			
	023	0			
	024	0			

THIS REPORT REPLACES THE REPORT DATED 1/18/58
PROCESS 1211 AND 1212

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

53930

Film Badge Results, 1956-1957, *Lake Ontario Storage Area*/ *Lake Ontario Ordnance Works Film Badge Results*, results reported from November 5, 1956 through November 18, 1957

Sheet # 1

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or
Laboratory Hooker Electrochemical Co., P-31, Model City, New York. Contract # AT-(30-1)-1524

Period
From August 12, 1957 through Nov. 18, 1957.

NAME	EXPOSURES*			REMARKS
	Beta mrad	Gamma or X-Ray mr	Other	
H. Kania		105		Exposure recorded as "0" indicates less than 20 Milliroentgens of High Energy X or Gamma Radiation or less than 5 Milliroentgens of Low Energy X-Ray.
A. Blazejewski		115		
W. Collins		35		
C. L. Danner		0		
S. Pisarski		110		
J. Cardinal		15		
R. Pack		115		
A. Yeager		145		
O. Carlo		175		
M. Robbins		75		
B. Linnane		105		
R. Lester		60		
A. Winslow		215		
J. Ringvelski		185		
W. Amsdill		20		
C. Moore		20		

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

Sheet # 2

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory Hooker Electrochemical Co; P-31, Model City, New York.

Contract # AT-(30-1)-1524

Period From August 12, 1957 through Nov. 18, 1957

NAME	EXPOSURES*			REMARKS
	~~Beta mrad~~	Gamma or X-Ray mr	Other	
P. Seager		0		
H. Monroe		0		
L. Gonzalez		25		
W. St. Onge		25		
L. Hahn		90		
C. Bowman		0		
C. Schaeffer		0		
J. Page		0		
J. Adams		0	all periods under 10% Fast Neutron % MPL.	
H. Olotka		0	all periods under 10% Fast Neutron % MPL.	
M. Saulino		0	all periods under 10% Fast Neutron % MPL.	
R. Doane		0	all periods under 10% Fast Neutron % MPL.	
P. Wahler		0	all periods under 10% Fast Neutron % MPL.	
G. Hedden	10-21 to 11-4	0	all other periods under 10% 10% Fast Neutron % MPL.	
E. Gerfin		0	all periods under 10%. Fast Neutron % MPL.	
R. Pattison		0	all periods under 10%. Fast Neutron % MPL.	
T. Gebensleben		0	all periods under 10%. Fast Neutron % MPL.	
A. Bartlett		0	all periods under 10%. Fast Neutron % MPL.	

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

Sheet # 1

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory Hooker Electrochemical Co., P-31, Model City, New York. Contract # AT-(30-1)-1524

Period From May 6, 1957 through August 12, 1957.

NAME	EXPOSURES*			REMARKS
	~~Beta~~	Gamma or X-Ray mr	Other	
J. Ringvelski	5/6 to 5/20 all other periods	25 0		Exposure recorded as "0" indicates less than 20 Milliroentgens of High Energy X or Gamma Radiation or less than 5 Milliroentgens of Low Energy X-Ray.
W. Collins	5/6 to 5/20 all other periods	25 0		
A. Blazejewski	5/6 to 5/20 7/29 to 8/12	45 20		
A. Blazejewski	all other periods	0		
S. Pisarski	6/3 to 6/17 7/15 to 7/29	60 45		
S. Pisarski	all other periods	0		
C. Bowman	all periods	0		
G. Gunzelman	all periods	0		
H. Kania	6/17 to 7/1 7/29 to 8/12	60 15		
H. Kania	all other periods	0		
P. Seager	all periods	0		
W. Amsdill	5/6 to 5/20 5/20 to 6/3	25 140		
W. Amsdill	6/3 to 6/17 7/1 to 7/15	30 25		
W. Amsdill	all other periods	0		
G. Cassatt	5/6 to 5/20 5/20 to 6/3	20 150		
G. Cassatt	6/3 to 6/17 all other periods	10 0		
T. Pollock	all periods	0		Fast Neutron %MPL. all periods under 10%.

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

Sheet # 2

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory Hooker Electrochemical Co., P-31; Model City, New York.

Contract # AT-(30-1)-1524

Period From May 6, 1957 through August 12, 1957.

NAME	EXPOSURES*			REMARKS
	~~Neutron~~	Gamma or X-Ray mr	Other	
W. St. Onge	5/6 to 5/20 5/20 to 6/3	25 145		
W. St. Onge	6/3/ to 6/17 all other periods	25 0		
A. Winslow	all periods	0		
C. Moore	6/3 to 6/17 7/1 to 7/15	10 25		
C. Moore	7/15 to 7/29 all other periods	20 0		
A. Brandel	all periods	0		
L. Hahn	all periods	0		
J. Adams	5/6 to 5/20 all other periods	20 0	all periods under 10%.	Fast Neutron % MPL
H. Olotka	all periods 7/1 to 7/15	0	10%	Fast Neutron % MPL all other periods under 10%
P. Scott	all periods	0	all periods under 10%	Fast Neutron % MPL
R. Doane	all periods	0	all periods under 10%	Fast Neutron % MPL
P. Wahler	all periods	0	all periods under 10%	Fast Neutron % MPL
G. Hedden	all periods 7/1 to 7/15	0	15%	Fast Neutron % MPL all other periods under 10%
E. Gerfin	allperiods	0	all periods under 10%	Fast Neutron % MPL
P. Pattison	all periods	0	all periods under 10%	Fast Neutron % MPL
T. Gebensleben	all periods	0	all periods under 10%	Fast Neutron % MPL
A. Bartlett	all periods 7/1 to 7/15	0	30%	Fast Neutron % MPL all other periods under 10%
M. Sauline	all periods	0	all periods under 10%.	Fast Neutron % MPL

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory Hooker Electrochemical Co., P-31, Model City, New York.

Contract # AT-(30-1)-1524

Period From Feb. 11,1957 through May 6, 1957.

NAME	EXPOSURES*			REMARKS
	Beta mrad	Gamma or X-Ray mr	Other	
C. Bowman		0		Exposure recorded as "0" indicates less than 20 Milliroentgens of High Energy X or Gamma Radiation or less than 5 Milliroentgens of Low Energy X Ray.
J. Ringvelski		0		
H. Kania		0		
A. Blazejewski		0		
A. Winslow		0		
S. Pisarski		0		
W. Collins		0		
J. Adams		0	all periods under 10%.	Fast Neutron % MPL.
H. Olotka 3/25/57 to 4/8/57		0	10% all other periods under 10%.	Fast Neutron % MPL.
P. Scott		0	all periods under 10%.	Fast Neutron % MPL.
R. Doane		0	all periods under 10%.	Fast Neutron % MPL.
E. Bentley		0	all periods under 10%.	Fast Neutron % MPL.
P. Wahler		0	all periods under 10%	Fast Neutron % MPL.
G. Hedden		0	all periods under 10%.	Fast Neutron % MPL.
E. Gerfin		0	all periods under 10%.	Fast Neutron % MPL.
P. Pattison		0	all periods under 10%.	Fast Neutron % MPL.
T. Gebensleben		0	all periods under 10%.	Fast Neutron % MPL.
A. Bartlett		0	all periods under 10%.	Fast Neutron % MPL.

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

HSR:HB

March 5, 1957

R. S. Landauer, Jr. and Co.
24 Plaza
Park Forest, Illinois

Att: Mr. R. S. Landauer, Jr.

Gentlemen:

On the film badge report you sent us for Hooker Electrochemical Co. for weeks of February 11 and 18th, the results of badge #15-010 is somewhat questionable. This badge was exposed in this laboratory to Gamma radiation only and you indicate a reading of 255 mr Gamma and 100 mr other.

It will be appreciated if you will reexamine this badge and try to indicate just what is meant by 100 mr "other".

Sincerely yours,

Hanson Blatz, Chief
Radiation Branch
Health and Safety Laboratory

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or
Laboratory Hooker Electrochemical Co., P-31, Model City, New York. Contract # AT-(30-1)-1524

Period
From Nov. 5, 1956 through Feb. 11, 1957.

NAME	EXPOSURES*			REMARKS
	Beta mrad	Gamma or X-Ray mr	Other	
C. Bowman		0		Exposure recorded as
A. Rainer		0		"0" indicates less
F. W. Malone		0		than 30 MR.
J. Ringvelski		0		
W. Collins		0		
J. Adams 1/28/57 to 2/11/57		0	10%	Fast Neutron % MPL. all other periods under 10%.
H. Olotka 11/19/56 to 12/3/56		0	10%	Fast Neutron % MPL. all other periods under 10%.
P. Scott		0	all periods under 10%.	Fast Neutron % MPL.
R. Doane		0	all periods under 10%.	Fast Neutron % MPL.
E. Bentley		0	all periods under 10%.	Fast Neutron % MPL.
G. Hedden		0	all periods under 10%.	Fast Neutron % MPL.
E. Gerfin		0	all periods under 10%.	Fast Neutron % MPL.
P. Pattison		0	all periods under 10%.	Fast Neutron % MPL.
T. Gebensleben		0	all periods under 10%.	Fast Neutron % MPL.
A. Bartlett 11/5/56 to 11/19/56		50	all periods under 10%.	Fast Neutron % MPL.
11/19/56 to 12/3/56		105		
12/3/56 to 12/17/56		85		
12/17/56 to 12/31/56		70		
12/31/56 to 1/14/57		70		
all other periods		0		

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

UNITED STATES
ATOMIC ENERGY COMMISSION
NEW YORK OPERATIONS OFFICE

ADDRESS REPLY TO:

MANAGER OF OPERATIONS
U. S. ATOMIC ENERGY COMMISSION
~~XXXXXXXXXXXXXXXXXX~~
NEW YORK 23, NEW YORK
70 Columbus Ave.
AND REFER TO:
HSR:HB:lw

February 1, 1957

Hooker Electrochemical Co.
Box 82
Model City, New York

Att: J. W. Haun

Gentlemen:

It would be appreciated, if, at your earliest convenience, you will send one or two film badges out of your set,* to this office (preferably control badges or extras) so that we may expose it to a known amount of radiation. We shall return the badge to you, and you in turn, should return it to your supplier for processing., without notifying them of our exposing same.

By this means we will have a check on the reliability of the service.

It is important that you forward such badges to us immediately so that they can be exposed and returned to you within the normal use period. Please indicate the period the badges are being worn.

Very truly yours,

Hanson Blatz, Chief
Radiation Branch
Health and Safety Laboratory

* in the film badge holder.

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1211
Date 1/18/58
By RLD
Checked

Two Weeks
(Exposure Period)

Beginning DECEMBER 30, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	25	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0	" "		

THIS REPORT REPLACES THE REPORT DATED 1/18/58. PROCESS 1211 AND 1212

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois — PIlgrim 8-5600

For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1194
Date 1/11/58
By JED
Checked [illegible]

Two Weeks
(Exposure Period)

Beginning DECEMBER 30, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens			Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	*			
	007	*			
	008	*			
	009	*			
	010	*			
	011	*			
	012	*			
	013	*			
	014	*			
	015	*			
	016	*			
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			
	024	0			

* THESE FILMS WERE NOT RETURNED.

A—Not Returned
B—Damaged in Use
C—Evidence of Possible Contamination
D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

Two Weeks
(Exposure Period)

REPORT OF FILM BADGE EXPOSURE

Process No. 1154
Date 12/18/57
By RLD
Checked [illegible]

Beginning DECEMBER 2, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-001	70			C
	002	0			
	003	0			
	004	60			
	005	60			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	35	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0	" "		
	017	0			
	018	0			
	019	0			
	020	0			
	021	20			
	022	25			
	023	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

For Hooker Electrochemical Co.
Box 82
Model City, New York
Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 1124
Date 12/5/57
By RLD
Checked KP

Two Weeks (Exposure Period) Beginning NOVEMBER 18, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-001	40			C
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0	" "		
	017	0			
	018	0			
	019	0			
	020	30			
	021	0			
	022	30			
	023	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

For Hooker Electrochemical Co.
Box 82
Model City, New York
Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 1100
Date 11/21/57
By RLD
Checked

Two Weeks (Exposure Period) Beginning NOVEMBER 4, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-001	90			C
	002	0			
	003	0			
	004	20			
	005	30			
	006	0	UNDER	10%	
	007	0	"	"	
	008	0	"	"	
	009	0	"	"	
	010	0	"	"	
	011	0	"	"	
	012	0	"	"	
	013	0	"	"	
	014	0	"	"	
	015	0	"	"	
	016	0	"	"	
	017	25			
	018	45			
	019	40			
	020	0			
	021	25			
	022	25			
	023	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS '0' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
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Model City, New York
Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 1074
Date 11/6/57
By RLD
Checked

Two Weeks
(Exposure Period)

Beginning OCTOBER 21, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-001	100			C
	002	50			
	003	65			
	004	50			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	10%		
	012	0	UNDER 10%		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0	" "		
	017	0			
	018	0			
	019	0			
	020	0			
	021	0			
	022	0			
	023	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1049
Date 10/24/57
By SMK
Checked

Two Weeks (Exposure Period) Beginning OCTOBER 7, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-001	70			C
	002	15			
	003	15			
	004	20			
	005	15			
	006	0	UNDER 10%		
	007	0	UNDER 10%		
	008	0	UNDER 10%		
	009	0	UNDER 10%		
	010	0	UNDER 10%		
	011	0	UNDER 10%		
	012	0	UNDER 10%		
	013	0	UNDER 10%		
	014	0	UNDER 10%		
	015	130	70%		
	016	0	UNDER 10%		
	017	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1024
Date 10/9/57
By RLD
Checked KJ

Two Weeks (Exposure Period) Beginning SEPTEMBER 23, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-001	50			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	125	55%		
	016	0	UNDER 10%		
	017	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 1003
Date 9/25/57
By RLD
Checked

Two Weeks
(Exposure Period)

Beginning SEPTEMBER 9, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-001	55			
	002	0			
	003	20			
	004	20			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0	" "		
	017	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

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Model City, New York

Attn: J. W. Haun

Two Weeks
(Exposure Period)

REPORT OF FILM BADGE EXPOSURE

Process No. 980
Date 9/11/57
By SMK
Checked

Beginning AUGUST 26, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-001	80			
	002	20			
	003				A
	004	60			
	005	0			
	006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	50			
	017	25			
	018	45			
	019	0			
	020	40			
	021	0	UNDER 10%		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS '0' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

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Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 955
Date 8/28/57
By SMK
Checked

Two Weeks (Exposure Period) Beginning AUGUST 12, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	~~15-001~~				
	002	0			
	003	0			
	004	0			
	005	0			
	006	0			
	007	0	UNDER 10%		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0	"		
	017	65			
	018	120			
	019	130			
	020	75			
	021	65			
		0	UNDER 10%		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS '0' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 932
Date 8/14/57
By SMK
Checked

Two Weeks (Exposure Period) Beginning JULY 29, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-001	0			
	002	20			
	003	0			
	004	15			
	005	0			
	006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0			
	017	0			
	018	15			
	019	15			
	020	0			
	021	0	UNDER 10%		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 912
Date 8/1/57
By SMK
Checked

Two Weeks (Exposure Period) Beginning JULY 15, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-001	0			
	002	0			
	003				A
	004	0			
	005	45			
	006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	0			
	017	0			
	018	0			
	019	20			
	020	0			
	021	0	UNDER 10%		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
Box 82
Model City, New York
Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 892
Date 7/18/57
By RLD
Checked

Two Weeks (Exposure Period) Beginning JULY 1, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRONS (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	10%		
	008	0	15%		
	009	0	UNDER 10%		
	010	0	" "		
	011	0	15%		
	012	0	UNDER 10%		
	013	0	" "		
	014	0	" "		
	015	0	30%		
	016	0			
	017	0			
	018	0			
	019	25			
	020	25			
	021	0	UNDER 10%		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 870
Date 7/3/57
By SMK
Checked

Two Weeks
(Exposure Period)

Beginning JUNE 17, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	LAST NEUTRON (%MPL)		Notes
	15-000		UNDER 10%		
	001	0			
	002	0			
	003	0			
	004	0			
	005	60			
	006	0	UNDER 10%		
	007	0	UNDER 10%		
	008	0	UNDER 10%		
	009	0	UNDER 10%		
	010	0	UNDER 10%		
	011	0	UNDER 10%		
	012	0	UNDER 10%		
	013	0	UNDER 10%		
	014	0	UNDER 10%		
	015	0	UNDER 10%		
	016	0			
	017	0			
	018	0			
	019	0			
	020	0			
	021	0	UNDER 10%		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 851
Date 6/20/57
By MPL
Checked

Two Weeks (Exposure Period) Beginning JUNE 3, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	60			
	006	0	UNDER	10%	
	007	0	"	"	
	008	0	"	"	
	009	0	"	"	
	010	0	"	"	
	011	0	"	"	
	012	0	"	"	
	013	0	"	"	
	014	0	"	"	
	015	0	"	"	
	016	30			
	017	10			
	018	25			
	019	10			
	020	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

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For Hooker Electrochemical Co.
Box 82
Model City, New York

Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 029
Date 6/6/57
By SAK
Checked

Two Weeks
(Exposure Period)

Beginning MAY 20, 1957
(Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0			
	016	140			
	017	150			
	018	145			
	019	0			
	020	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS '0' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 808
Date 5/23/57
By SMK
Checked

Two Weeks (Exposure Period) Beginning MAY 6, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (%MPL)		Notes
	15-000		UNDER 10%		
	001	0			
	002	25			
	003	25			
	004	45			
	005				B
	006	20	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		
	016	25			
	017	20			
	018	25			
	019	0			
	020	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 787
Date 5/8/57
By RVS
Checked

Two Weeks (Exposure Period) Beginning APRIL 22, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		
	016	0			
	017	0			
	018	0			
	019	0			
	020	0			

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 769-15
Date 4/25/57
By RVS
Checked

Two Weeks (Exposure Period) Beginning APRIL 8, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 752-86
Date 4/11/57
By RVS
Checked KS.

Two Weeks (Exposure Period) Beginning MARCH 25, 1957 (Badge Date)

Name	Identification Number	Gamma & X-Ray Exposure in Milliroentgens	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	10%		
	008	0	UNDER 10%		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A—Not Returned C—Evidence of Possible Contamination
B—Damaged in Use D—See comment below

NOTE: EXPOSURE RECORDED AS 'O' indicates less than 20 Milliroentgens of High Energy X or Gamma radiation or less than 5 Milliroentgens of Low Energy X-Ray.
THE MAXIMUM PERMISSIBLE DOSE, in most cases; 300 Milliroentgens per week, not to exceed 5000 Milliroentgens per year (as recommended by the National Committee on Radiation Protection).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 753

For Two Weeks
(~~PERIOD OF USE~~)

Beginning MARCH 11, 1957
(BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS (%MPL)		Notes
	15-[illegible]	0			
	00[illegible]	0			
	00[illegible]	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By [illegible]

Date 3/27/57

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois | PIlgrim 8-5600

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 715

For Two Weeks (PERIOD OF USE) Beginning FEBRUARY 25, 1957 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS (%MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By YAB

Date 3/14/57

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82
Model City, New York

Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 697

For Two Weeks (PERIOD OF USE) Beginning FEBRUARY 11, 1957 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	OTHER	FAST NEUTRON (%MPL)	Notes
	15-000	290	Test film		
	001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0		UNDER 10%	
	007	0		"	
	008	0		"	
	009	0		"	
	010	255	100 Test *	"	
	011	0		"	
	012	0		"	
	013	0		"	
	014	0		"	
	015	0		"	

* Received letter from Landauer 3/11/57 correcting Test Badge # 15-010 to 320 mr Gamma

letter forwarded to Haun at Hooker

CONTROL PACKET EXPOSURE SHOWN ABOVE IS IN ARBITRARY UNITS (NOT MILLIROENTGENS). IF THIS EXPOSURE OCCURED SIMULTANEOUSLY WITH THE OTHER PACKETS WHILE IN STORAGE OR TRANSIT, THE NUMBER GIVEN MAY BE SUBTRACTED FROM THE mr READING ON THE PERSONNEL BADGES TO OBTAIN NET DOSAGE TO USERS.

NO OTHER USE OF THE CONTROL PACKET IS FEASIBLE. FURTHER, ANY OTHER EXPOSURE TO THE CONTROL PACKET MAY LEAD TO MISINTERPRETATION OF OF NET DOSAGE.

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.
By SMK KS
Date 2/28/57

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois PIlgrim 8-5600

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 678

For Two Weeks (PERIOD OF USE) Beginning JANUARY 28, 1957 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	10%		
	007	0	UNDER 10%		
	008	0	"	"	
	009	0	"	"	
	010	0	"	"	
	011	0	"	"	
	012	0	"	"	
	013	0	"	"	
	014	0	"	"	
	015	0	"	"	

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 2/14/57

NOTE: EXPOSURE RECORDED AS "O" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 661-13

For Two Weeks (PERIOD OF USE)

Beginning JANUARY 14, 1957 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (%MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By BAK

Date 1/30/57

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512
not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 645

For Two Weeks (PERIOD OF USE)

Beginning DECEMBER 31, 1956 + ~~BADGE DATE~~ 1/1/57

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (%MPL)		Notes
	15 001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	70	"		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SM K

Date 1/16/57

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

53931

Film Badge Results, December 1959, *Lake Ontario Ordnance Works Film Badge Results*, results reported during December 1959

United States Atomic Energy Commission
New York Operations Office
Health & Safety Laboratory
376 Hudson Street
New York 14, N. Y.

FILM BADGE REPORT

Plant or Laboratory Lake Ontario Ordnance Works (Caldwell Construction Co.) Period Worn: During December, 1959

Badge No.	Name		Density o.w.	Density s.		Exposure, mrad Beta	Exposure, mrad Gamma	Exposure, mrad Total
x225	James Whobrey	Caldwell Con. Louisville, KY	.42	.24		80	280	360
x251	Romald Doyle	" "	.63	.155	.03	40	480	520
x132	James J. Hinton	" "	.15	.09		50	85	135
x385	Raymond Ritter	" "	.44	.29		60	300	360
x369	John Gabrielson	Niagara Fall, NY	.23	.155		25	165	190
x344	Friedhelm Bieimann	" "	.24	.17		30	170	200
x253	Richard Owens	" "	.17	.095		60	90	150
x361	Paul Ivkovich (used one day 12/15)		.17	.11	}	75	105	180
x361	Bill Crissman	Niagara Falls	↓	↓	}			
x194	control	Niagara Falls	0	0		0	0	0
x207	Control	Niagara Falls	0	0		0	0	0
		1/25/60						
		SRC						

53932

Film Badge Results, 1956, *Lake Ontario Storage Area/Lake Ontario Ordnance Works Film Badge Results,* results reported for all months in 1956

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory Hooker Electrochemical Co., P-31, Model City, New York.

Contract # AT-(30-1)-1524

Period From July 30, 1956 through Nov. 5, 1956.

NAME	EXPOSURES*			REMARKS
	Beta mrad	Gamma or X-Ray mr	Other	
C. Bowman		0		Exposure recorded as
A. Rainer		0		"0" indicates less
H. Kania		0		than 30 MR.
G. Gungelman		0		
J. Ringvelski		0		
A. Blazejewski		0		
L. Gonzalez		0		
W. Collins		0		
J. Adams		0	all under 10%	Fast Neutron % MPL.
H. Olotka		0	all under 10%	Fast Neutron % MPL.
P. Scott		0	all under 10%	Fast Neutron % MPL.
R. Doane		0	all under 10%	Fast Neutron % MPL.
S. Voutour		0	all under 10%	Fast Neutron % MPL.
G. Hedden		0	all under 10%	Fast Neutron % MPL.
E. Gerfin		0	all under 10%	Fast Neutron % MPL.
P. Pattison		0	all under 10%	Fast Neutron % MPL.
T. Gebensleben		0	all under 10%	Fast Neutron % MPL.
A. Bartlett		0	all under 10%	Fast Neutron % MPL.

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory Hooker Electrochemical Co., P-31, Model City, New York. Contract # AT-(30-1)-1524

Period From April 23, 1956 through July 30, 1956.

NAME	EXPOSURES*			REMARKS
	Beta mrad	Gamma or X-Ray mr	Other	
C. Bowman		0		Exposure recorded as
G. Gunzelman		0		"0" indicates less
J. Ringvelski		0		than 30 MR.
J. Adams		0	all under 10%	Fast Neutron % MPL.
5/7 to 5/21/56 H. Olotka		0	10%	Fast Neutron % MPL. all other periods under 10%
5/7 to 5/21/56 P. Scott		0	10%	Fast Neutron % MPL. all other periods under 10%
R. Doane		0	all under 10%	Fast Neutron % MPL.
5/7 to 5/21/56 G. Hedden		0	10%	Fast Neutron % MPL. all other periods under 10%
4/23 to 5/7/56 E. Gerfin		0	10%	Fast Neutron % MPL. all other periods under 10%
P. Pattison		0	all under 10%	Fast Neutron % MPL.
5/7 to 5/21/56 D. MacFadyen		0	30%	Fast Neutron % MPL. all other periods under 10%.
4/23 to 5/7/56 5/7 to 5/21/56 A. Bartlett		0	10% 10%	Fast Neutron % MPL. all other periods under 10%.

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

AEC-NYOO
Health & Safety Laboratory
RADIATION BRANCH

QUARTERLY SUMMARY SHEET FOR FILM BADGES

Plant or Laboratory Hooker Electrochemical Co., P-31, Model City, New York. Contract # AT-(30-1)-1524

Period From January 30,1956 through April 23,1956.

NAME	EXPOSURES* Beta mrad	Gamma or X-Ray mr	Other	REMARKS
C. Bowman		0		Exposure recorded as
G. Gunzelman		0		"0" indicates less
J. Ringvelski		0		than 30 MR.
J. Adams 2-27 to 3-12-56		0	20%	Fast Neutron % MPL;
3-12 to 3-26-56			20%	all other periods
" 3-26 to 4-9-56			15%	under 10%.
H. Olotka 1-30 to 2-13-56		0	20%	Fast Neutron % MPL;
2-27 to 3-12-56			10%	all other periods
" 3-12 to 3-26-56			15%	under 10%.
" 3-26 to 4-9-56			15%	
4-9 to 4-23-56			10%	
P. Scott 2-13 to 2-27-56		0	20%	Fast Neutron % MPL;
" 2-27 to 3-12-56			20%	all other periods
" 3-26 to 4-9-56			10%	under 10%.
R. Doane 2-13 to 2-27-56		0	10%	Fast Neutron % MPL;
" 3-12 to 3-26-56			20%	all other periods
" 3-26 to 4-9-56			10%	under 10%.
G. Hedden 1-30 to 2-13-56		0	10%	Fast Neutron % MPL;
" 2-13 to 2-27-56			15%	all other periods
" 2-27 to 3-12-56			10%	under 10%.
E. Gerfin 1-30 to 2-13-56		0	10%	Fast Neutron % MPL;
" 2-13 to 2-27-56			10%	all other periods
" 2-27 to 3-12-56			10%	under 10%.
" 3-12 to 3-26-56			10%	
P. Pattison 1-30 to 2-13-56		0	10%	Fast Neutron % MPL;
" 2-13 to 2-27-56			10%	
" 2-27 to 3-12-56			10%	covers all periods.
" 3-12 to 3-26-56			15%	
" 3-26 to 4-9-56			20%	
" 4-9 to 4-23-56			10%	

*If no exposures were received during quarter, please indicate.
If any individual has received in excess of three times the basic maximum permissible weekly dose in any week, please list such week's exposure as a separate item under the total cumulative.

NOTE: Continued on other side. (over)

R. S. Landauer, Jr. and Co. **radiation safety**

24 Plaza, Park Forest, Illinois Pilgrim 8-5600

FILM BADGE SERVICE

REPORT OF FILM BADGE EXPOSURE

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

Process No. 628

For ~~Two Weeks~~ (PERIOD OF USE)

Beginning DECEMBER 17, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0			
	007	0	UNDER 10%		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	70	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 12/3/57

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512
not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 612-544-12

For Two Weeks (PERIOD OF USE)

Beginning DECEMBER 3, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	10%		
	011	0	UNDER 10%		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	85	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 12/19/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 596 243-7

Two Weeks

For _____ (PERIOD OF USE)

Beginning NOVEMBER 19, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	10%		
	008	0	UNDER 10%		
	009	0	"	"	
	010	0	"	"	
	011	0	"	"	
	012	0	"	"	
	013	0	"	"	
	014	0	"	"	
	015	105	"	"	

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SMK

Date 12/5/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512
not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
Box 82
Model City, New York
Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 580-343-7

For Two Weeks (PERIOD OF USE) Beginning NOVEMBER 5, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS (%MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0			
	007	0			
	008	0			
	009	0			
	010	0			
	011	0			
	012	0			
	013	0			
	014	0			
	015	50			
	006		UNDER 10%		
	007		" "		
	008		" "		
	009		" "		
	010		" "		
	011		" "		
	012		" "		
	013		" "		
	014		" "		
	015		" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.
By YAB
Date 11/21/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
% A.E.C. Plant
Model City, New York

Attn: J. W. Haun

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 565 243-10

For Two Weeks (PERIOD OF USE)

Beginning OCTOBER 22, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SMK

Date 11/6/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512
not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
% A.E.C. Plant
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 552

For Two Weeks (PERIOD OF USE)

Beginning OCTOBER 8, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 10/25/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
% A.E.C. Plant 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 537

For Two Weeks (PERIOD OF USE)

Beginning SEPTEMBER 24, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 10/11/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois — Skyline 4-6512

not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
% A.E.C. Plant
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 511

For Two Weeks (PERIOD OF USE) Beginning AUGUST 27, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	"		
	008	0	"		
	009	0	"		
	010	0	"		
	011	0	"		
	012	0	"		
	013	0	"		
	014	0	"		
	015	0	"		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Fo.low

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RSL/MPL

Date 9/14/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

REPORT OF FILM BADGE EXPOSURE

For Hooker Electrochemical Co.
% A.E.C. Plant
Model City, New York

15RNAD

Process No. 498

Attn: J. W. Haun

For Two Weeks (PERIOD OF USE) Beginning AUGUST 13, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	"	"	
	008	0	"	"	
	009	0	"	"	
	010	0	"	"	
	011	0	"	"	
	012	0	"	"	
	013	0	"	"	
	014	0	"	"	
	015	0	"	"	

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By CR

Date 8/29/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
% A.E.C. Plant 15RNAD
Model City, New York

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 485

For Two Weeks (PERIOD OF USE) Beginning JULY 30, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By MCR/RVS

Date 8/15/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
% A.E.C. Plant
Model City, New York

15RNAD

Attn: J. W. Haun

REPORT OF FILM BADGE EXPOSURE

Process No. 470

For Two Weeks (PERIOD OF USE)

Beginning JULY 16, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS/MCR

Date 8/2/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For Hooker Electrochemical Co.
% A.E.C. Plant
Model City, New York

Attn: J. W. Haun

Two Weeks

15RNAD

REPORT OF FILM BADGE EXPOSURE

Process No. 454

For _____ (PERIOD OF USE)

Beginning JULY 2, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (SMPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 7/19/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL COMPANY
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: J. W. HAUN

REPORT OF FILM BADGE EXPOSURE

Process No. 438-15

For 2 WEEKS (PERIOD OF USE) Beginning JUNE 18, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS: (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER	10%	
	007	0	"	"	
	008	0	"	"	
	009	0	"	"	
	010	0	"	"	
	011	0	"	"	
	012	0	"	"	
	013	0	"	"	
	014	0	"	"	
	015	0	"	"	

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SKB

Date 7/5/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL COMPANY
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: J. W. HAUN

REPORT FILM BADGE EXPOSURE

Process No. 420

For 2 WEEKS (PERIOD OF USE) Beginning JUNE 4, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS: (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SKB

Date 6/20/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois — Skyline 4-6512

not inc.

FILM BADGE SERVICE

REPORT OF FILM BADGE EXPOSURE

For HOOKER ELECTROCHEMICAL COMPANY
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: J. W. HAUN

Process No. 405

For 2 WEEKS (PERIOD OF USE) Beginning MAY 21, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	" "		
	014	0	" "		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SKB

Date 6/6/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512
not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL CO.
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL, CITY, NEW YORK
ATTN: J. W. HAUN

REPORT OF FILM BADGE EXPOSURE

Process No. 390

For TWO WEEKS (PERIOD OF USE) Beginning MAY 7, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	10%		
	008	0	10%		
	009	0	UNDER 10%		
	010	0	UNDER 10%		
	011	0	10%		
	012	0	UNDER 10%		
	013	0	UNDER 10%		
	014	0	30%		
	015	0	10%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.
By RVS
Date 5/23/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

For HOOKER ELECTROCHEMICAL CO.
C/O ATOMIC ENERGY COMMISSION
PLANT
MODEL CITY, NEW YORK
ATTN: J. W. HAUN

REPORT OF FILM BADGE EXPOSURE

Process No. 377

For TWO WEEKS (PERIOD OF USE) Beginning APRIL 23, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	" "		
	008	0	" "		
	009	0	" "		
	010	0	10%		
	011	0	UNDER 10%		
	012	0	10%		
	013	0	UNDER 10%		
	014	0	" "		
	015	0	10%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SKB

Date 5/10/56

NOTE: EXPOSURE RECORDED AS "O" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL COMPANY
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: J. W. HAUN

REPORT OF FILM BADGE EXPOSURE

Process No. 363

For 2 WEEKS (PERIOD OF USE) Beginning APRIL 9, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS: (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	10%		
	008	0	UNDER 10%		
	009	0	" "		
	010	0	" "		
	011	0	" "		
	012	0	" "		
	013	0	10%		
	014	0	UNDER 10%		
	015	0	" "		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SKB

Date 4/26/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED)

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL CO.
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: J. W. HAUN

REPORT OF FILM BADGE EXPOSURE

Process No. 349

For TWO WEEKS (PERIOD OF USE) Beginning MARCH 26, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	15%		
	007	0	15%		
	008	0	10%		
	009	0	10%		
	010	0	UNDER 10%		
	011	0	UNDER 10%		
	012	0	UNDER 10%		
	013	0	20%		
	014	0	15%		
	015	0	10%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 4/12/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL CO.
c/o ATOMIC ENERGY COMMISSION
PLANT
MODEL CITY, NEW YORK
ATTN: J. W. HAUN

REPORT OF FILM BADGE EXPOSURE

Process No. 333

For TWO WEEKS (PERIOD OF USE) Beginning MARCH 12, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	20%		
	007	0	15%		
	008	0	UNDER 10%		
	009	0	20%		
	010	0	10%		
	011	0	UNDER 10%		
	012	0	10%		
	013	0	15%		
	014	0	20%		
	015	0	20%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 3/28/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED)

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL COMPANY
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: J. W. HAUN

REPORT OF FILM BADGE EXPOSURE

Process No. 319

For 2 WEEKS (PERIOD OF USE) Beginning FEBRUARY 27, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	20%		
	007	0	10%		
	008	0	20%		
	009	0	UNDER 10%		
	010	0	UNDER 10%		
	011	0	10%		
	012	0	10%		
	013	0	10%		
	014	0	UNDER 10%		
	015	0	UNDER 10%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SKB

Date 3/14/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED)

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL COMPANY
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: H. H. BETTS

REPORT FILM BADGE EXPOSURE

Process No. 307

For 2 WEEKS (PERIOD OF USE) Beginning FEBRUARY 13, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRONS (% MPL)		Notes
	13-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	UNDER 10%		
	008	0	20%		
	009	0	10%		
	010	0	20%		
	011	0	15%		
	012	0	10%		
	013	0	10%		
	014	0	10%		
	015	0	15%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By SRB

Date 2/29/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED)

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

REPORT OF PLANT FILM BADGE EXPOSURE

For HOOKER ELECTROCHEMICAL COMPANY
C/O ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK
ATTN: H. H. BETTS

Process No. 295-11

For 2 WEEKS (PERIOD OF USE) Beginning JANUARY 30, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	UNDER 10%		
	007	0	20%		
	008	0	UNDER 10%		
	009	0	UNDER 10%		
	010	0	10%		
	011	0	10%		
	012	0	10%		
	013	0	10%		
	014	0	25%		
	015	0	20%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS

Date 2/15/56

NOTE: EXPOSURE RECORDED AS "O" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For HOOKER ELECTROCHEMICAL COMPANY
c/o ATOMIC ENERGY COMMISSION PLANT
MODEL CITY, NEW YORK

ATTN: H. H. BETTS

REPORT OF FILM BADGE EXPOSURE

Process No. 283

For TWO WEEKS (PERIOD OF USE)

Beginning JANUARY 16, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (% MPL)		Notes
	15-001	0			
	002	0			
	003	0			
	004	0			
	005	0			
	006	0	13%		
	007	0	16%		
	008	0	13%		
	009	0	UNDER 10%		
	010	0	19%		
	011	0	13%		
	012	0	UNDER 10%		
	013	0	UNDER 10%		
	014	0	28%		
	015	0	13%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS/MPL

Date 2/1/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED)

R. S. Landauer, Jr. and Co. radiation safety

24 Plaza, Park Forest, Illinois Skyline 4-6512

not inc.

FILM BADGE SERVICE

For DR. GEORGE E. OWEN
DEPARTMENT OF PHYSICS
THE JOHNS HOPKINS UNIVERSITY
BALTIMORE 18, MARYLAND

REPORT OF FILM BADGE EXPOSURE

Process No. 271

For WEEK (PERIOD OF USE) Beginning JAN. 9, 1956 (BADGE DATE)

Name	Code Number	Gamma & X-Ray * Exposure (Milliroentgens)	FAST NEUTRON (%MPL)		Notes
	159-001	0	22%		
	002	0	13%		
	003	0	13%		
	004	0	10%		
	005	0	13%		
	006	0	22%		

A – Not Returned
B – Damaged in Use
C – Evidence of Possible Contamination
D – Supplementary Reading to Follow

* Maximum permissible dose as recommended by the National Committee on Radiation Protection is in most cases 300MR per week. (For more detail see NBS Handbook 59.)

R. S. LANDAUER, Jr. & CO.

By RVS/MPL

Date 1/19/56

NOTE: EXPOSURE RECORDED AS "0" INDICATES LESS THAN 30 MR (UNLESS OTHERWISE STATED).

60902

Janca, 1959*, Report of KAPL Waste Shipment and Storage at Lake Ontario Ordnance Works*; B. Janca; August 1959

DOL-08-02986

FOIA Materials from DOE

Roll 121

Booker Case File
Env. Prot. Bureau
N.Y.S. Department of Law
New York, New York

Return → FWM
EKL

Report on KAPL Waste Shipment

and

Storage at Lake Ontario Ordnance Works

Model City, New York

by

B. Jones
Health Physics Unit

Distribution

Cosman, W. L., original, Copy 1
Chrzebin, L. J., Copy 2
Jones, B. J., Copy 3
Larson, H. E., Copy 4

Attachments:

A, B, C, D, E

DOL-08-02986

FOIA Materials from DOE

Roll 121

Hooker Case File
Env. Prot. Bureau
N.Y.S. Department of Law
New York, New York

[illegible]

The unloading and storing of the contaminated waste shipment from NAPL was begun at the Lake Ontario Ordnance Works, Lake City, on January 16, 1981, and completed on February 3, 1981, a total of thirteen and one-half man-days. [illegible] personnel from the Croftan Storage Warehouse, Inc. The operation was under the radiation control of a health physics representative. Personnel involved wore paper masks, cotton [illegible], coveralls, rubbers, and gloves. The maximum dose-rate encountered by personnel during the operation was 200 mr/hr from a s/s slurry drum. No case of personnel contamination was encountered and no overexposures occurred. The exposure record of the personnel is tabulated in Attachment A. Upon completion of the operation the equipment, the lift truck and tractor trailer, was checked for contamination and released.

A total of seven box cars was unloaded and the contents transported by truck approximately 0.7 of a mile and stored in a concrete block building (~ 40' x 90'). The dates of box car arrivals and releases, and the car contents are tabulated in Attachment B. One mishap occurred during the operation. A pallet of 70 gallon s/s slurry drums fell from the trailer while being transported over rough ground to the storage building. The prongs on one of the drums punctured another slurry drum near the top and a slight amount of a dry brown material of the consistency of sand was released. The material, indicating no detectable alpha or beta-gamma activity on monitoring instrumentation, was returned to the drum through the bung, and the bung was plugged. A dose-rate of 10 mr/hr near the bottom and an indication of some s/h gamma activity at the top of the drum were determined. The drum was marked and stored in one of the pits in the building.

Difficulties were also encountered in unloading the first waste box from the box cars with a lift truck as the clearance between the building and the car was only 3 1/2 feet and the door of the building, 7 feet high. The elimination of the waste box on the upper row in the doorway would alleviate this difficulty in future shipments to this site. The shoring of the cars was adequate and no damage to the containers from shipment was observed. Pictures obtained at NAPL during loading of drums and of a completely loaded car of boxes are attached. Tabulations of the loading scheme for the cars containing the slurry drums and indicating the dose-rates of the drums are also attached. (Attachments C and D) Dose-rates from drum cars did not exceed 5 mr/hr at 12 feet from the car and the maximum dose-rate at the surface of the cars was 125 mr/hr.

Approximately 400 square feet of storage space is left in the present storage building for future shipments. The waste boxes and empty s/s drums were stored on one side of the building and the slurry drums on the opposite side, allowing a 3 foot aisle way between them enough at the time of the building. The slurry drum pallets in some cases were stacked three high while the waste boxes could only be stacked two high. The maximum dose-rate outside the building was 170 mr/hr at a window but at the road 20 feet away, the dose-rate was 6 mr/hr. (See Attachment E) This window was posted with a radiation zone sign and the area around the drums inside the building was roped with radiation tape and signs. Dose-rates on the roof were 40 mr/hr at the point of maximum dose-rate at the side of the building, 10 mr/hr over the rest of the bulk storage area, and < 1 mr/hr over the box cars.

DOL-08-02986

FOIA Materials from DOE

Roll 121

Hooker Case File
Env. Prot. Bureau
N.Y.S. Department of Law
New York, New York

ATTACHMENT A

PERSONNEL EXPOSURE DATA

Name	Pocket Meters mr	Badge Film mr	Period
B. James	150	135	1/22 - 2/1
E. Stanton	80	95	1/22 - 2/1
L. Durisse	0	< 50	1/22
G. Myers	210	215	1/22 - 2/1
L. Crotien	45	< 50	
R. Biggio	95	100	1/22 - 2/1
D. Gilbreith	60	75	1/31 - 2/1
C. Connolly	10	< 50	2/1
B. James	50	75	2/4 - 2/8
E. Stanton	90	95	2/4 - 2/8
G. Myers	100	75	2/4 - 2/8
R. Biggio	125	75	2/4 - 2/8
L. Crotien	30	< 50	2/6 - 2/8

DOL-08-02986

FOIA Materials from DOE

ROLL 121

Hooker Case File
Env. Prot. Bureau
N.Y.S. Department of Law
New York, New York

ATTACHMENT "A"

Date Arrival	Release	Car Number	Material
1/21	1/23	Santa Fe 7185	44 - 4' x 4' x 4' Waste Boxes
1/21	1/25	ATSF 202	32 - 55 Gallon s/s Drums
			56 - 70 Gallon s/s Drums
			83 - 55 Gallon CS Drums
			1 - 2' x 2' x 8' Waste Box
1/23	1/29	DT & I 15704	44 - 4' x 4' x 4' Waste Boxes
			1 - 2' x 2' x 2' Waste Box
1/29	1/30	ATSF 206	31 - 30 Gallon s/s Drums
			29 - 55 Gallon s/s Drums
			43 - 70 Gallon s/s Drums
			81 - 55 Gallon CS Drums
1/30	2/1	ATSF 6919	44 - 4' x 4' x 4' Waste Boxes
2/4	2/8	Erie 86111	44 - 4' x 4' x 4' Waste Boxes
2/6	2/7	NYC 71110	1 - 4' x 6' x 12' Waste Box
			2 - 1 1/2' x 1 1/2' x 8' Waste Boxes
			25 - 4' x 4' x 4' Waste Boxes
			53 - 55 Gallon CS Drums
			9 - 275 Gallon Storage Tanks

Total Quantity Stored

Number	Size and Type
2	1 1/2' x 1 1/2' x 2' Waste Boxes
1	2' x 2' x 2' Waste Box
1	2' x 2' x 8' Waste Box
1	4' x 6' x 12' Waste Box
202	4' x 4' x 4' Waste Boxes
31	30 Gallon s/s Drums
61	55 Gallon s/s Drums
99	70 Gallon s/s Drums
217	55 Gallon CS Drums
9	275 Gallon Storage Tanks

DOL-08-02986

FOIA Materials from DOE

Roll 121

Hooker Case File
Env. Prot. Bureau
N.Y.S. Department of Law
New York, New York

Attachment 6

Sturry Drum Loading Scheme
Car MTX 202

Figures denote dose-rates on drums in mr/hr

< 10	< 10	< 10	< 10
< 10	< 10	< 10	< 10
< 10	< 10	< 10	< 10
< 10	< 10	< 10	< 10
< 10	< 10	< 10	< 10
< 10	< 10	< 10	< 10
30	45	50	50
35	30	50	50
10	30	50	100
10	10	50	50

Waste Storage Box

< 10	< 10	< 10	< 10
< 10	10	20	20
30	60	30	40
80	60	40	20

- -

80	70	250	200
20	15	100	250
100	90	30	20
50	50	30	20
80	80	80	80
60	60	80	80
50	50	240	80

40 mr/hr maximum dose-rate on exterior surface of car.

Dose-rates < 10 mr/hr at 5 feet from the car.

DOL-08-02986

POIA Materials from DOE

Roll 121

Hooker Case File
Env. Prot. Bureau
N.Y.S. Department of Law
New York, New York

ATTACHMENT B

Slurry Drum Loading Scheme

Car ATSX 206

Figures denote dose-rates on drums in mr/hr

	< 10	< 10	30	40	
	< 10	100	200	20	
	15	70	50	70	
	40	300	100	50	
	30	160	400	50	
125 mr/hr	50	1000	250	100	120 mr/hr
	30	400	400	60	
	50	500	600	60	
	40	300	500	30	
	20	20	400	30	
	35	25	35	20	
	15	30	25	25	
	70	70	90	50	
	80	80	20	15	
	60	70	15	10	
	20	90	150	15	
	70	110	50	60	
	70	100	900	20	
	50	100	900	45	
60 mr/hr	70	90	900	30	100 mr/hr
	25	110	50	75	
	20	200	100	50	
	15	100	600	20	
	15	15	110	100	

8 mr/hr

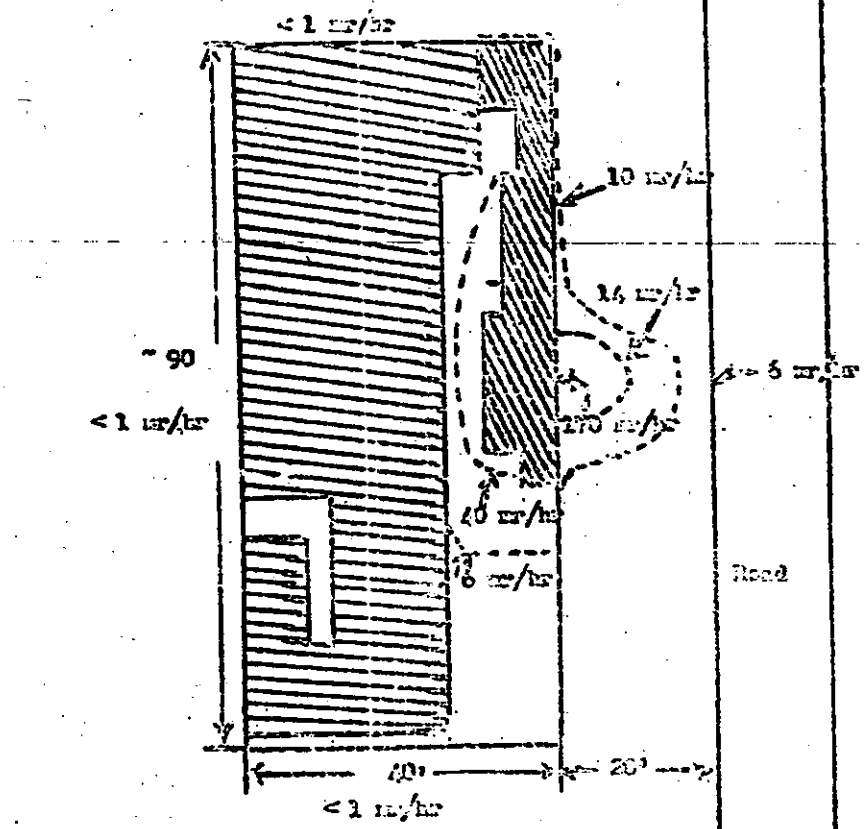
Maximum dose-rate at twelve feet from the car was 8 mr/hr

DOL-08-02986

FOIA Materials from DOE

Hooker Case File
Env. Prot. Bureau
N.Y.S. Department of Law
New York, New York

ROLL 121



Neutron dose-rate on the roof of the building

was 40 mr/hr at the point of maximum dose-rate on the side of the building. 10 mr/hr over the drum section and < 1 mr/hr elsewhere.

POIA Materials from DOE

Roll 121

DOL-08-02986

Case File
Prot. Bureau
Department of Law
York, New York

NY

AMERICAN CTS X RAIL
J COOKE
MR BRANT
MR DOT
TT FILE
008

NG 130

US AEC SCHENECTADY NY 23 JAN 3:20:02Z

US AEC NYK OPSCO NYK

AEC CSNC

AMERICAN CTS X RAIL AND J COOKE

[illegible] LEFT SCHENECTADY 23 JAN INROUTE TO LOUN PD CAR [illegible] CONTAINING 44 DOZEN APPROXIMATELY 1000 POUNDS EACH [illegible] CONTAMINATED WASTE PD COVT BILL OF LADING AT-32998 [illegible] SHIPMENT DET AO-ELN

[illegible]/10242

[illegible] AT-32998

[illegible] FILE AEC NOR TOWZ CTP

[illegible]

File
Bureau
Department of Law
York, New York

DOL-08-02986

ROLL 121

[redacted]

[redacted]

[redacted]

[redacted] IS BY 1-2639 GA PLS

[redacted] HAVE 2 CLRS

[redacted]

[redacted] AEC SCHENECTADY NEW YORK 32 JAN 3016457

[redacted] AND J COONE US AEC NYK

[redacted] SHIPMENT LEAVING SCHEET TODAY PD CAR NO ERIE 63111 CONTAING 44

[redacted] COMBUSTIBLE CONTAMINATED WASTE APPROXIMATELY 1000 POUNDS EACH

[redacted] BILL OF LADING AT-110001 COVERS SHIPMENT RAF AO-EJU-144

[redacted] 63111 44 1000 AT-110001 AO-EJU-144

30/1DOEI

Your information Copy.

#17 DOL-08-02986 NY. 17

The attached charts portray how Ledoux and NBL compare in assaying the same lots for both Q-11 ore and MgX precipitate. Plotted on each chart is the difference between Ledoux and NBL for each lot. The central zero line represents perfect agreement, a point plotted above the central line represents a lot for which Ledoux reached a higher value than NBL and a point plotted below the central line represents a lot for which Ledoux assayed lower than NBL.

The control limits have been calculated from the above data and drawn on the chart as dashed lines. If the analytical conditions remain under control, the probability is only 3 in 1000 that a point will fall outside of control limits. If a point does fall outside of control limits, it indicates that some assignable cause has entered to disturb the analytical control. This may be carelessness on the part of the analyst, deterioration of a reagent, change of method of analysis, etc.

One main purpose of the present charts is to indicate when bias develops between the two laboratories. An important test for the presence of such bias is this: If 7 or more consecutive points fall on the same side of the central zero line, this may be taken as a clear cut indication of bias, since, by chance, this event would occur 2% or less of the time. If 7 or more consecutive points are higher or lower than the point just preceding, then there is clear cut indication that a trend toward increasing bias is present. The last point of such a sequence of consecutive points has been circled on these charts to indicate the presence of bias.

OFFICIAL USE ONLY

#11

359-14 KEUFFEL & ESSER CO.
Millimeters, 5 mm. lines accented, cm. lines heavy.
MADE IN U.S.A.

DOL-08-02986

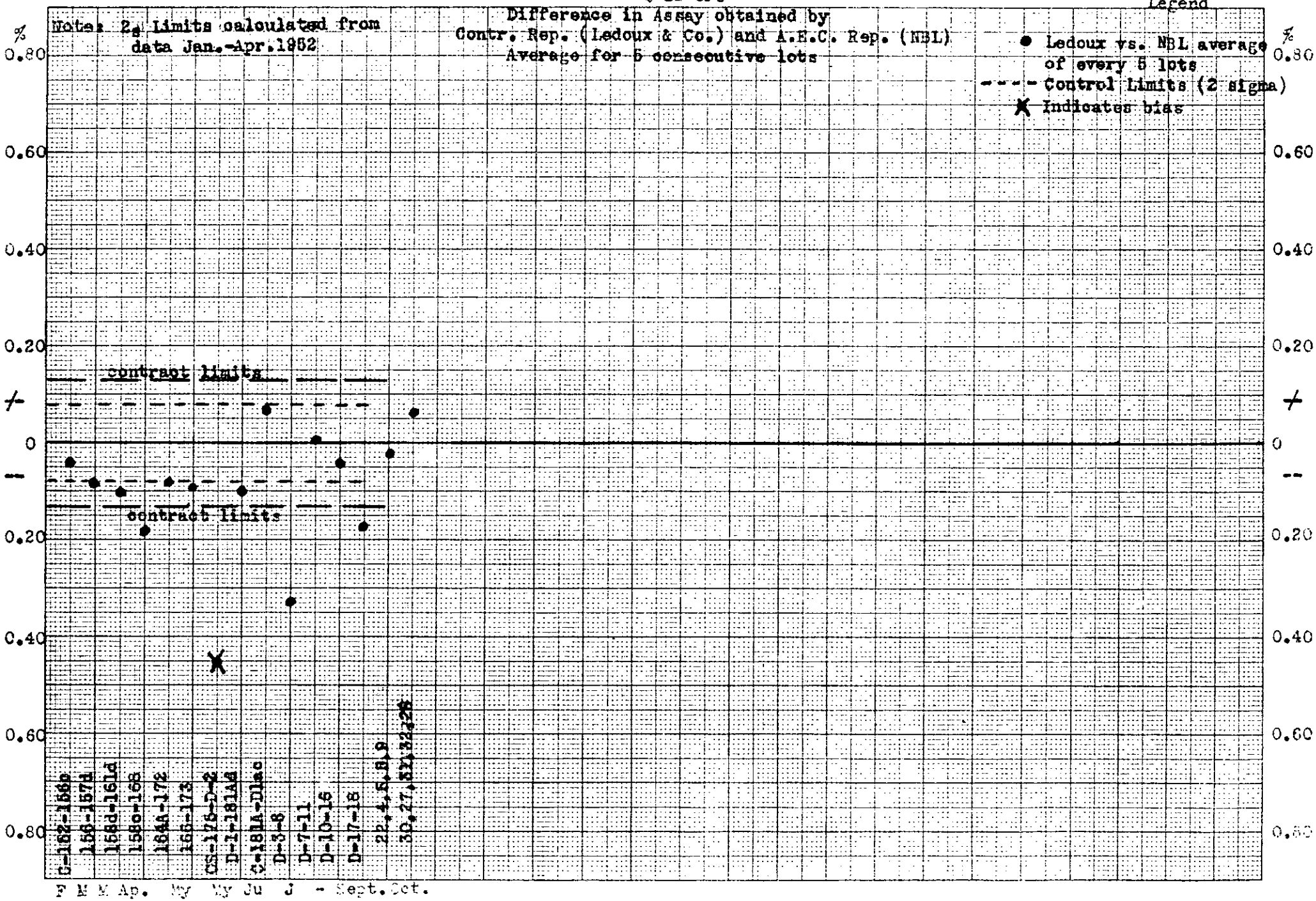
(1)

Q-11 Ore

Note: 2_σ Limits calculated from data Jan.-Apr.1952

Difference in Assay obtained by Contr. Rep. (Ledoux & Co.) and A.E.C. Rep. (NBL)
Average for 5 consecutive lots

Legend
● Ledoux vs. NBL average of every 5 lots
- - - - Control Limits (2 sigma)
X Indicates bias



61102

Epp, 1951, *Storage of U Rods at LOOW*, correspondence to V. L. Parsegian; F. J. Epp; March 15, 1951

STANDARD FORM NO. 64

M

3.1

Office Memorandum • UNITED STATES GOVERNMENT

TO : V. L. Parsegian, Director, Division of Technical Advisers DATE: March 15, 1951

FROM : F. J. Epp, Chief, Tonawanda Sub-Office, Model City, New York

SUBJECT: STORAGE OF U RODS AT LOOW

SYMBOL: TA:FJE:GH

LOOW

In a memo dated September 19, 1950, to J. P. Morgan, Production Division, it was requested that you be advised of the manner and size of uranium rod stockpiles at LOOW.

The following data includes the vault sizes and proposed manner of rod storage.

Building A:

90'-0"x 14' - 0"x 17' - 0". Constructed of concrete walls, roof and floor. Present uranium rods are approximately 9 feet long by 1 13/32" diameter, and are in bundles of 14 pieces. Bundles are laid on four 3" x 5" timbers to a height of six feet with 3 1/2" pipe dividers spaced every 12 feet.

Building B:

43' - 8" x 14' - 0" x 17' - 0". Same construction as building A. It is planned to store all special size diameter rods and special lots of material in this building. Quantities will be small unless additional storage space is needed for normal diameter material.

It would be appreciated if this office could be advised immediately if this method of storage is hazardous.

CC: R. Smith

TA & R
R 9-16-51

61103

P. 2. Smith, March 1951, *Progress Report for Week of March 15, 1951*; R. Smith; March 19, 1951

23

F. J. Epp

PROGRESS REPORT FOR WEEK OF MARCH 15, 1951

Thirty pieces of 8 1/2" lengths of rods selected by DuPont representatives during a recent visit, were shipped to Argonne National Laboratory to be tested for Savannah River Operations Office.

Twenty pieces of cropped ends from four billets rolled in Watervliet test were shipped to Dr. Wayne Keller at Mallinckrodt Chemical Works.

175 tons of regular billets were requested from Mallinckrodt by April 5th for the next rolling operations which is scheduled to begin April 9th. It is understood that these billets should not exceed 280 pounds each.

Two carloads of contaminated scrap metal were received from Harshaw and one from Vitro.

Roy & Izzi Construction Company had completed the railroad repairs 76% as of March 16th.

HEALTH & SAFETY:

A piece of metal extracted from the thigh of a Simonds Saw & Steel Company employee who performs rod stamping during routine monthly rolling operations, was forwarded to NYO Health & Safety Division for analysis.

ADMINISTRATION:

Invitations to bid on accumulated metal scrap were issued to approximately twenty dealers in this vicinity. The sale will be held on March 28.

Mr. H. Baum of NYO Property Section visited LOOW to inspect progress made in reduction of stores inventory and to accompany Mr. Leo Brown of Buffalo Board of Education and Dr. McTighe of Canisius College in selection of surplus items.

With the approval of the NYO Administrative Division, a warehouse outside the fenced area at LOOW was made available for the temporary use of the 102nd Detachment, Eastern Command Division of the Air Corps, which was recently activated at Niagara Falls, New York. Captain Taylor of this Air Corps unit also reviewed surplus items at LOOW and willarrange through channels for transfer of items selected.

T. F. Davis

[redacted] THIS DOCU... NUMBER...

LAKE ONTARIO ORDNANCE WORKS

II. **PRODUCTION:**

K-65 dumping operations were below expectation due to severe cold weather which caused the sludge in drums to freeze and required longer periods to thaw. 600 drums were emptied and 336 drums of sludge were received from Mallinckrodt.

Tower operations were maintained on a one-shift basis as a result of the above-mentioned reasons. Another factor contributing to the one-shift program, was the withdrawal of two employees from K-65 exposure for a three-week period, as the result of a skin eruption. These employees were examined by Dr. Quigley of NYOO, and by skin specialists at Strong Memorial Hospital, who recommended this action.

Approximately 75 uranium rods which became badly pitted due to atmospheric conditions while in storage at LOOW, were returned to Simonds for straightening, and are now being cut into 8 1/2" lengths for shipment to Du Pont.

1750 pounds of normal diameter rods in 6" lengths were shipped to the Area Plant at Electromet for recasting under Contract AT (40-1) 1090 with the Oak Ridge Operations Office.

Nine three-foot lengths of 13/16" diameter rods were shipped to New Brunswick Laboratory

225.6 pounds of uranium rods rolled to 1 9/16" diameter during the January rolling at Simonds, were shipped to the Knolls Atomic Power Laboratory at Schenectady, New York.

90 feet of 7/8" diameter rods in lengths of 8 to 10 feet, the rolling of which was observed by an Oak Ridge representative, was shipped to Oak Ridge National Laboratory.

A fifty-pound sample of P-58 lead vanadate and one of P-56 lead sulfate were shipped to Vitro Manufacturing Company, for processing studies.

Arrangements have been made to schedule one car of uranium rods stored at LOOW from the August, September, October and November rolling at Simonds, for shipment each week to Hanford. Current rolling production will be consigned to storage at LOOW except for one car, which will be used at Hanford for quality tests.

One carload of contaminated scrap was received from Vitro and from Mallinckrodt during February.

SPECIAL REREVIEW
FINAL DETERMINATION
UNCLASSIFIED
By: J.L. Patton 10/8/80
Date: P.F. Brown 10-2-80

This document ... National ...
[redacted]

61144

Smith, November 1951b, *Weekly Production Report for November 22, 1951*; R. J. Smith; November 25, 1951, p. 2

CONFIDENTIAL

SECURITY INFORMATION

R. J. Smith, Chief, Operations Branch, Production Division, NYOO
F. W. Malone, Chief, Tonawanda Sub-Office, Model City, N.Y.

November 26, 1951

WEEKLY PRODUCTION REPORT NOVEMBER 22, 1951

SYMBOL: TA:GH

SPECIAL REREVIEW
FINAL DETERMINATION
UNCLASSIFIED
By: P.F. Brown
Date: 4-3-84

II OPERATIONS:

Production Division:

1. **Uranium**

Samples of L-19 sludge collected at the Haist property by A. Lindroos were shipped to Vitro at Jersey City, N.J.

Three boxes containing six rods were received from Hanford for storage at LOOW.

One box of four rods was received for storage from Fernald Area.

51 tons of rods shipped to Hanford from Simonds this date.

2. **Thorium:**

Twelve thorium billets were received from Ames Area for storage at LOOW until December rolling at Simonds.

Approximately one ton of thorium rods rolled at Simonds during November were shipped to Brush Beryllium Company, Cleveland, Ohio, November 24.

PRODUCTION:

Since the K-65 storage tower is filled to its present capacity, the Engineering Division is considering storing the remaining drummed K-65 in the "Hortonsphere", located approximately 300 yards from the storage tower. The NYOO Raw Materials Division has advised that African Metals Corporation approval for this plan must be obtained and will notify this office when it has been secured.

Fifty-one tons of rods were shipped to Hanford from Simonds November 26 in one carload. The balance of the November production will be shipped to Hanford in two carloads, one on the 27th and one on the 29th.

A surplus nine-ton trailer was transferred from LOOW to Fernald Area.

~~CONFIDENTIAL~~ SPECIAL DELIVERY

R. Smith, Chief, Operations Branch, Production Division, NYOO
F. W. Malone, Chief, Tonawanda Sub-Office, Model City, N.Y.

November 9, 1951

WEEKLY PRODUCTION REPORT NOVEMBER 8, 1951

SYMBOL: TA:GH

SPECIAL REREVIEW
FINAL DETERMINATION
UNCLASSIFIED
By: D. F. Brown
Date: 4-3-84

II OPERATIONS:

Production Division:

Sixty drums of wet oxide accumulated at LOOW during 1951 from Simonds rolling operations, were prepared and shipped to Vitro Company, Cannonsburg, Pa. to be dried and sent to Harshaw for recovery.

A tank furnace approximately 9' x 6' was picked up at Bethlehem Steel Company and shipped from LOOW to Allegheney-Ludlum Steel Company, at Watervliet along with one Brewer "Tornado" vacuum cleaner from surplus at LOOW. Vacuum cleaner was shipped at the request of Mr. A. Noto, with the understanding that he would procure hose and gulpers for it.

PRODUCTION:

Mr. A. Levine and a representative from National Lead Company, Fernald Area, visited LOOW to inspect the K-65 storage tank and to review surplus equipment on hand for possible use at Fernald.

Mr. W. Bystyga of the Raw Materials Division, NYOO, visited LOOW to select a suitable storage site for radium sources.

The next rolling at Simonds Saw & Steel Company is scheduled for the 19th of November. Two carloads of regular Mallinckrodt billets and one carload of turned ingots from Bendix Aviation Company are scheduled to be rolled. Approximately one ton of thorium billets is also scheduled to be rolled at the commencement of the operation.

ADMINISTRATION:

Colonel Welte of the Eastern Anti-Aircraft Command returned to LOOW on November 7 with Major General P. W. Rutledge and Brigadier General H. F. Myers to inspect the "box factory" and the telephone building for possible use in connection with the proposed anti-aircraft base to be established in this vicinity.

Mr. H. Baum, NYOO, visited Electromet to perform an inventory of all Government property at that location. Inventory is still in progress.

~~CONFIDENTIAL~~

61144

Smith, November 1951a, *Weekly Production Report for November 15, 1951*; R. J. Smith; November 21, 1951, p. 3

CONFIDENTIAL

SECURITY INFORMATION

R. J. Smith, Chief, Operations Branch, Production Division, NYOO — November 21, 1951

F. W. Malone, Chief, Tonawanda Sub Office, Model City, N.Y.

WEEKLY PRODUCTION REPORT NOVEMBER 15th, 1951

SYMBOL: TA:GH

SPECIAL REREVIEW
FINAL DETERMINATION
UNCLASSIFIED
By: P.F. Brown
Date: 4-3-84

II OPERATIONS:

Production Division:

1. **Uranium**

Approximately ten tons of uranium rods from Simonds October rolling shipped from storage at LOOW to Bridgeport Brass Co., Bridgeport, Conn., via Niagara Motor Freight Lines November 15, 1951.

Another ten tons of rods from Simonds October rolling shipped from LOOW storage to Bridgeport Brass Co. November 21, 1951.

Eight 1 1/16" D. rods packed in two steel "I" beams from Bethlehem rolling No. 5 shipped from LOOW storage to AM & F via Associated Transport November 21.

Three 55 gallon drums of L-19 sludge and 35 quart samples collected at Haist Property under supervision of A. Lindroos, Vitro representative, for shipment to Vitro upon receipt of shipping instructions.

Eight billets received in October from Bendix Aviation Corp., Kansas City, shipped to Simonds for November rolling from LOOW storage.

Two rods 1.41" D. and 2 rods 13/16" D. shipped to Fred Stroke, Cincinnati Airport via American Airlines from LOOW.

One box containing eight pieces of billets, assorted sizes, received from Birdsboro Foundry & Machine Co. for storage at LOOW.

Eight bundles of rods, approximately 11 tons, received from Allegheney Ludlum, Watervliet, for storage at LOOW. These rods originally were scheduled to be delivered to Bethlehem for rolling November 18th, but as a result of the cancellation of this rolling, are being stored at LOOW.

Nine drums of turnings and oxide from Simmons, Albany and Allegheney-Ludlum, Watervliet, were picked up by LOOW truck and delivered to LOOW for storage.

Fourteen steel "I" beams were received from AM & F for storage at LOOW pending re-use.

CONFIDENTIAL

SECURITY INFORMATION

61183

LOOW, June 1952; *Physical Inventory for LOOW-May 31, 1952*; Lake Ontario Ordnance Works (LOOW); June 26, 1952

cont 7

[redacted]

Date: Aug. 8, 1980
T. F. Davis

June 26, 1952

J. T. Consiglio, Chief, Middlesex Sampling Plant

PHYSICAL INVENTORY - L.O.O.W. - MAY 31, 1952

CLASSIFICATION CANCELLED
OR CHANGED
BY AUTHORITY OF DOE/RA/1
BY KAW DATE 1-9-74

SYMBOL: PO:JTC:jmc

Due to a shortage of about 2200 pounds of metal discovered at the Tonawanda Sub-Office as the result of a physical inventory, dated March 31, 1952, taken by personnel of that area, Mr. S. Braiden and the writer were instructed to verify the existence of this discrepancy by taking another physical inventory as of May 31, 1952.

The inventory of materials at this installation includes U-Metal - in the form of rods, scrap, turnings, oxides, billets, slugs and ingots; Th - metal - in the form of ingots, rods, scrap and oxides; U-bearing sludges and K-65 material. The existing discrepancy involved only the U and Th metal inventory, and did not include any of the sludges. These sludges are mostly stored in bulk in the water treatment area, and could not be conveniently inventoried with the available facilities. It was decided, therefore, that only the metal inventory (including all its forms and shapes) be re-inventoried. As for the sludges, they would be verified only as to location and existence.

The inventory was not started until all scales to be used were adjusted and checked by a certified scale checker. With the assistance of Mr. Frank Malone and his entire personnel force at the area, work started on June 2, 1952.

In general, the inventory methods employed were to obtain the actual net weights of the materials wherever possible. Specifically, the following actions were taken in checking the various types of materials:

1. U-Metal - rods, billets, solid scrap, sawdust, sweeps, slugs and oxides. In all cases, except as noted below, each item was removed from its packaging and weighed "net". One shipment of 5 boxes of slugs, however, was not weighed in this manner, since it would involve quite a bit of time and effort to remove the slugs from their packings. In view of the fact that this item was received after the March 31st inventory, thus being excluded from the discrepancy which we were looking for, and since each slug was weighed individually by the area personnel at time of receipt, it was decided that only the gross weight be checked on each of the 5 boxes and that the net weights, as received, be accepted.

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2. U-Metal ingots. These were weighed individually wherever possible. However, one shipment of long ingots, packed 5 in a box, located in Building 717, was not weighed, since it would require a large effort to weigh it completely. First of all, there was no scale of sufficiently large capacity to enable the weighing of each box of 5 ingots. Secondly, in order to weigh each ingot individually, the boxes would have to be completely broken open so that each ingot could be taken out. This meant that new boxes would have to be constructed for subsequent shipping. Since this entire shipment of ingots was received after the March 31st inventory, it was decided that the shippers weights would be accepted and carried on the books. This is an example of the difficulties encountered at this area. It would help if, in the future shipments of ingots, the shipper would pack these ingots individually or in such a manner so that they could be easily removed from the boxes and still not destroy these boxes. As an alternate solution, a 5000 pound capacity scale at Tonawanda would help them at least check the gross weights.

3. U-metal turnings, grindings and oxides packed in drums. These were inventoried by weighing each drum, "gross", and accepting the stenciled "tare" and "net" weights that were stenciled on the drums. Where large discrepancies were discovered, the materials in the drums were dumped out and actual net weights taken. Stenciled "tare" weights on containers was accepted on the basis of check weights made on similar type empty containers. Those drums containing metal turnings showed a "net" weight lower than the difference which the "gross" and "tare" weights would give. This was due to the fact that during filling, the "net" weight of turnings was taken, then oil was poured into the drum in order to protect the turnings from burning. The "gross" weight included the weight of the additional oil. In these cases, the shipper's "net" weights were accepted for inventory.

4. Th-Metal ingots, solid scrap, etc. With the exception shown below, all items of thorium metal were weighed "net". A shipment of thorium ingots received after the March 31st inventory was only check weighed, since it had been weighed individually at time of receipt. In this case, 10% of the ingots were weighed "net". These weights were all within one-half pound of the originally accepted weights so there appeared to be no objection in accepting shippers weights.

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5. Sludges. In building 714, there were several drums of miscellaneous materials which contained U-metal in different forms. These were also weighed "gross". Other sludges and U-bearing materials in bulk were only checked as to location. Here, office records were available which clearly located each item. No further check was made of these, since these materials were so remotely separated from the metal storage area that it would be improbable for some metal to have become misplaced amongst these sludges.

Discrepancies Noted

1. Three drums were found in Building 714 which contained asbestos sheets contaminated quite heavily with U-metal oxide. These were weighed and added to the inventory. A later check in the office records revealed that these had not been accounted for on the March 31st inventory. This, therefore, represented part of the discrepancy in question.

2. Also in Building 714 there was a drum of material from electromet numbered D-4, #82, which had no record of having been received. This drum was weighed and a pipe sample of material taken from it. This sample was sent to New Brunswick Laboratory for analysis. This material, if found to have any U-metal content, will be added to the inventory. It will not be part of the discrepancy in question, since it was not on any sf records originally.

3. There were several 5 gallon pails of dust which represented floor sweepings from the vaults and also from the shop where the U-rod cutting saw is located. This dust represents a difference between receipts and shipment of U-metal, and should, therefore, either be part of the inventory, or become a measured loss. In either case it should be considered to be part of the discrepancy.

4. In Building 714, there was much U-oxide on the dirt floor. Mr. Malone stated that several hundred tons of u-rods had once been stored in this building. These rods had started to corrode and became full of pit marks. When these rods were to be shipped, they were wire brushed clean. The scrapings became mixed with the dirt floor and were not accounted for. The material in the floor of this building, therefore, should be either a part of the inventory, or accounted for as a measured loss. In either case, it should be considered as part of the discrepancy. For this reason, it was sampled and sample bottles sent to the New Brunswick Laboratory for inventory purposes. The volume and weight per cu. ft. of dirt in the building was measured. An estimate of 1% U-metal was used for inventory purposes. This figure was made part of the discrepancy and added to the inventory. (At this writing, the results of the analysis have been received, showing 1.6%

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U_3O_8 content. Using an estimated volume of dirt floor of 550 cubic feet and a density of 80 pounds per cu.ft. gives a total weight of dirt of 44,000 pounds. If 1.6% of this is U_3O_8, then there should be about 598 pounds of U-metal in the dirt floor.) In view of this large amount of metal here, it is suggested that the top layer of dirt floor of this building be excavated 3" deep and barrelled for future recovery of metal. Pipe sampling of each drum should take place at this time to obtain a more accurate sample.

The actual inventory data is not included in this report, since each item inventoried was not completely reconciled with the book records, and the total inventory could not be verified without this. Records of the physical inventory are on file in the offices of the SF Accountability Branch of the HYOO. From the preliminary recap of the inventory, however, it is estimated that about 990 pounds of U-Metal out of the 2200 pounds originally stated shortage was accounted for.

A complete verification of this, however, cannot be made unless the physical inventory be definitely tied in with book records. This will be a most difficult task in view of the rapid movements of this metal inventory both to and out of the area, and the inadequacy of the available records to enable the tieing in of shipments with receipts.

Comments

In the process of taking this inventory, several recommendations for improving the controls came to mind. In the interests of improving the sf materials controls, we would like to suggest that these be considered, and, if plausible, be instituted. These were discussed with the area personnel:

1. A central card file control system be established, one card for each receipt showing final disposition of the item. (This has already been started.)

2. TOA lot numbers be assigned to each receipt. (This has already been started, but is not yet used to good advantage.) Any shipments made should be made against this lot number. When a portion of a TOA lot is shipped and later returned, it should be considered as a new receipt with a new lot number.

3. Each item should be tagged or marked at time of receipt with the assigned TOA lot number.

4. A 5000 pound capacity scale be made available for use in weighing in heavy ingots.

5. When discrepancies are noted between weight of items shipped as compared to their weights upon receipt, records should be adjusted accordingly.

6. Floor of Building 714 be barreled, sampled, and picked up on inventory.

We wish to express our appreciation for the fine cooperation extended to us by the entire Tonawanda Sub-Office staff in assisting us in taking this inventory.

cc: R. J. Smith, Jr. Prod. Div., NYOO
F. Malone, Tonawanda Sub-Office
S. Braiden (Thru S. Gustavson), Accountability Div., NYOO
Production Division Reading File

Special Rereview
Final Determination
Unclassified
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