



GENERAL FOODS CORPORATION / Technical Center, Cranbury, N.J.

April 16, 1985

Nuclear Materials Safety Section B  
Division of Radiation Safety and Safeguards  
U.S. Nuclear Regulatory Commission Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406-1498

Attention: Jenny M. Johansen, M.S.

Reference: License No. 29-19591-02  
Subject: Radiation Survey of Gammacell 220 on Cranbury Site

Dear Ms. Johansen:

A "Gammacell 220" research irradiator was installed in Building H at our Cranbury, New Jersey site on April 11, 1985. As per requirements set forth in Condition 16 of License No. 29-19591-02 I have attached the copies of surveys performed by the licensed AECL technician, Peter Moloughney. These surveys were reduced and xeroxed as per our discussion on April 15, 1985.

RECEIVED BY LFMD	
Date	4/25/85
Log	Apr. 13 I
By	Brown
Orig. To	
Action Compl.	4/29/85

DR/op  
Encl.

(14910)

Sincerely,

*David Rourke*

David Rourke  
Radiation Protection  
Officer

U.S. NRC  
REGIONAL BRANCH

APR 25 AM 1:40

"OFFICIAL RECORD COPY"

ML10

03692

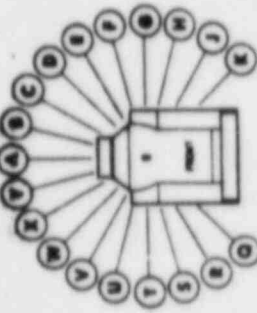
8505290621 850507  
REG 1 LIC 30  
29-19591-02 PDR

FEE EXEMPT

APR 18 1985

*radiation survey report*





CIRCLE - 3

2002/03

1. I have read the above statement and agree with its contents. I understand that the information provided is true and correct to the best of my knowledge and belief. I have signed this statement voluntarily and without any coercion or undue influence.

## READING

PARABOLIC CALCULATIONS												
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1.0	1.0	1.0	1.2	1.2	1.0	1.2	1.0	1.0	1.0	1.0	1.0	
			1.0	0.9	1.0		1.0	1.0	1.0	0.9	0.9	
			1.0	1.0	1.0		1.0	1.0	1.0	1.0	0.7	0.0
			1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	

### CAPACITY CALCULATIONS

DATE 52-52-28 \_\_\_\_\_  
 MODEL 42-229 (7-5, 30-50)  
 SERIAL NUMBER 209 \_\_\_\_\_

INDUCTIVE SWITCHING, CIRCUIT NO. 15-5, 20-2  
 SOURCE INCAPACITATED IN TYPE -C, LINE A \_\_\_\_\_  
 CAPACITANCE INCAPACITATED IN TYPE -C \_\_\_\_\_

PERIODS ARE LOCATED IN SOURCE CASE WITH A  
 TOTAL NUMBER CAPACITY OF 10 PERIODS IN  
 POSITION INDICATED

1	2	3	4	5	6	7	8	9	0
0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99

BACKGROUND 0 WITH ONE LINE  
 RETRY TYPE, TOLERANCE 100  
 SERIAL NUMBER 129  
 TEMPERATURE 30 ° F  
 INDUCTIVE SWITCHING, CIRCUIT NO. 15-5, 20-2  
 SOURCE INCAPACITATED IN TYPE -C, LINE A  
 CAPACITANCE INCAPACITATED IN TYPE -C

1 TEMP - PERIOD CONNECTION FACTOR 1.00  
 2 RETRY CONNECTION FACTOR 1.00  
 3 CHARGED CONNECTION FACTOR 1.00  
 4 INDUCTIVE CONNECTION FACTOR 0.50  
 5 C.C. IN D.C. (1) 2  
 6 CENTRAL JOSE RATE 1.7% OF MAXIMUM, 20.00 15  
 7 SERIAL FACTOR 100  
 8 CENTRAL JOSE RATE 1.7% OF MAXIMUM, 20.00 15  
 9 COMFORT 21.000 COMFORT ON 20.00 15  
 10 COMFORT 21.000 COMFORT ON 20.00 15

[illegible][illegible]

IF SOURCE BRANCH WILL ADVISE IN WRITING OF

ATTENTION: Delivery of SALVAGE VEHICLES  
- NEW YORK - CONTACT: 800 93 - 8778 - 6000





BETWEEN: William O. Miller, Chief  
License Fee Management Branch  
Office of Administration

John E. Glenn, Chief  
Nuclear Materials Section B  
Division of Engineering and  
Technical Programs

Irradiator  
Survey

LICENSE FEE TRANSMITTAL

A. REGION I

No Fee  
Needed.

1. APPLICATION ATTACHED

Applicant/Licensee: General Foods Corporation

Application Dated: 4/16/85

Control No.: 03692

License No.: 29-19591-02

2. FEE ATTACHED

Amount: 0

Check No.: 0

3. COMMENTS

Signed Brenda Platchek

Date 4/19/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 3E 2/90 no fee due

2. Correct Fee Paid. Application may be processed for:

Amendment                     

Renewal                     

License                     

Signed Francis Brown

Date 4/26/85