



Atomic Energy
Of Canada Limited

L'Énergie Atomique
du Canada, Limitee

Radiochemical Company

Société radiochimique

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Telex. 053-4162

1985 June 4

File: F97808

Mr. Paul R. Guinn
License Management Branch
Division of Fuel Cycle
and Material Safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
U.S.A.

U.S. N.R.C.
LIC. FEE MGMT. BRANCH

85 JUN 25 AM 0:44

RECEIVED

Dear Mr. Guinn:

Subject: Radiation Survey Report as per Condition 16 of USNRC
License No. 54-00300-09 Category IV Irradiator -
Serial No. IR-78

In accordance with Condition 16 of this license, I enclose a report of the building radiation survey performed after removal of cobalt-60 on 1985 May 16. Your Region I office is being informed by copy of this letter.

Site:

Ethicon Inc.
U.S. Highway 22
Somerville, New Jersey 08876

Description of Work:

Removal of 66,011 curies cobalt-60
leaving a total source content of
544,611 curies cobalt-60 as of 1985
May 1

Authorized Technicians:

P. Stefanelli
P. Moloughney

Yours truly,

8508300013 850722
REG 1 LIC 30
54-00300-09 PDR

M. L. McIndoo

Mavis L. McIndoo
Physics Group
Industrial Irradiation Division

/cpg
Encl.

Radiation Survey Report No. 29

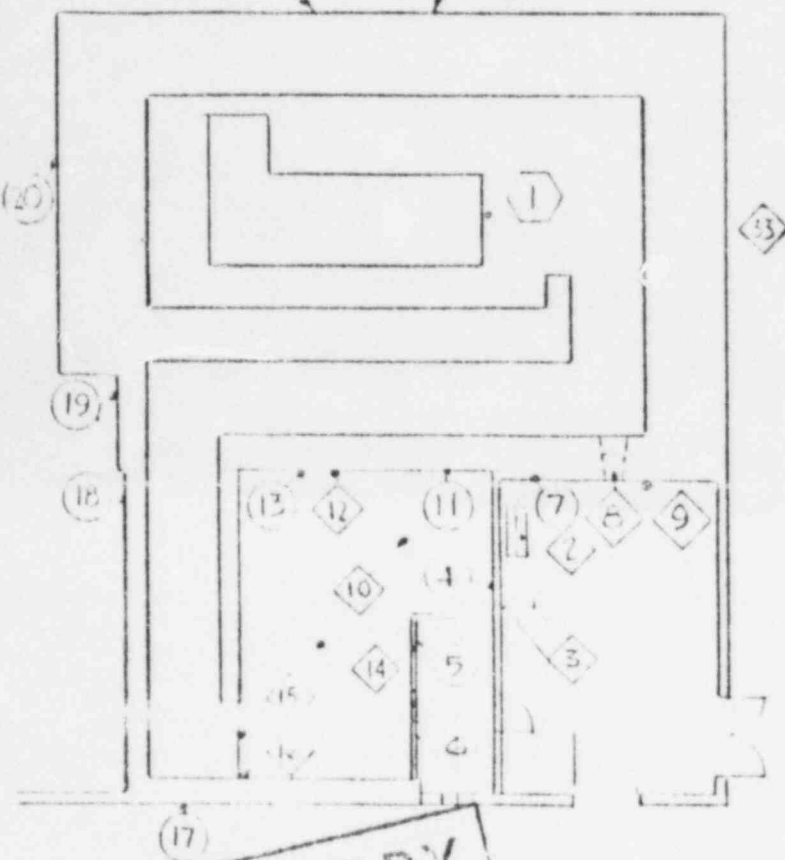
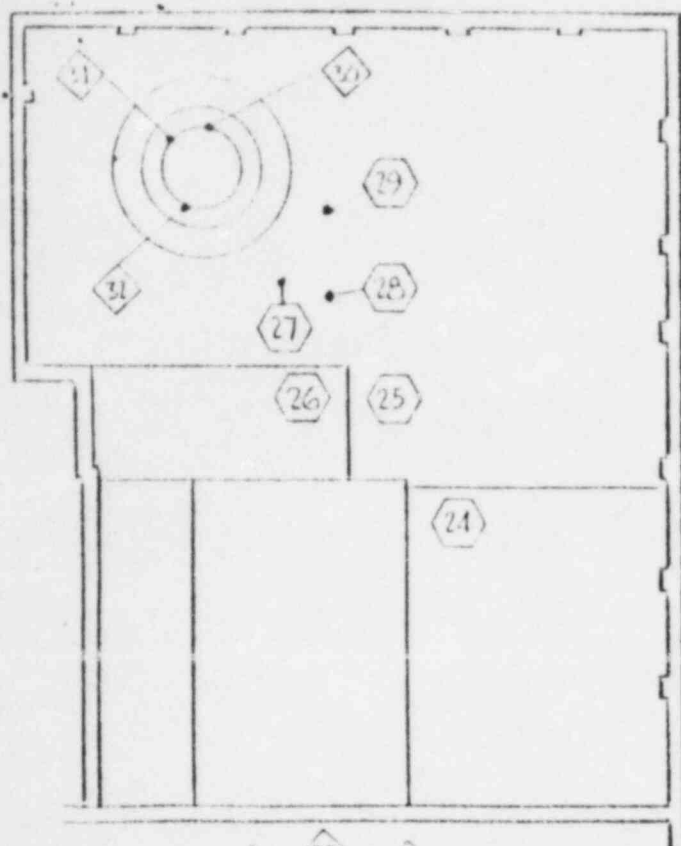
cc: Dr. John Glen, USNRC, Region I ←

FEE EXEMPT
"OFFICIAL RECORD COPY"
ML10 03940

1985 JUN 10 PM 3:44
RECEIVED-REGION I

JUN 10 1985

ALL READINGS IN mrem/h
 READINGS LESS THAN 0.03 mrem/h
 SHOWN THIS *



FOR UNIT HISTORY

- AT 1m ABOVE FLOOR
- AT FLOOR OR ON ROOF
- ◇ ON NAMED FEATURE (SURVEYOR TO ADD AS NECESSARY)

NO	READING	REMARKS
1	X	AT POOL
2	X	AT CONTROL CONSOLE
3	X	DOOR CRACK
4	X	
5	X	
6	X	
7	X	
8	X	AT WINDOW
9	X	AT PIPES
10	X	AT GUIDE CABLE
11	.05	
12	X	AT HOIST CABLE
13	X	
14	X	
15	.05	
16	.04	
17	X	
18	.04	
19	X	
20	X	
21	X	5' ABOVE GROUND
22	X	5' HIGH 15' FROM WALL
23	X	
24	X	
25	.1	
26	2.5	
27	2.0	
28	1.0	
29	2.0	
30	.1	AT ROOF PLUG
31	.05	AT ROOF PLUG
32	.7	AT ROOF PLUG
33	X	
34		
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37		
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SURVEY TO BE SENT TO
 USNRC

MAXIMUM RADIATION DESIGN LEAKAGE SO THAT
NO ONE SHALL RECEIVE MORE THAN 10 mrem IN
A 40 HOUR WORK WEEK WITH 2.25×10^6 CURIES
OF COBALT-60 INSTALLED

AREA	OCCUPANCY HOURS WEEK	MAXIMUM EXPOSURE RATE
CONTROL ROOM		0.25 mrem/h
ENTERER WAYS	5	2.0
ROCK	0.1	100.0

SURVEY PERFORMED BY *P. STEINBERG*
DATE *85/05/16*

ATOMIC ENERGY OF CANADA LIMITED

OUTSIDE COMMERCIAL PRODUCTS CANADA

SURVEY INSTRUMENT MODEL *BERNOLD RATIO/E*
SERIAL NO *2137* CALIBRATION DATE *85/04/17*
SOURCE CONTENT *544, 611* CURIES
ON DATE *85/05/16*

RADIATION SURVEY REPORT
AFTER SOURCE INSTALLATION NO *29*
IN *IR 78* *ETHICON-SOMERVILLE NJ*

SHEET OF

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

*Free
Survey*

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: AECL
Application Dated: 6-4-85
Control No.: 103940
License No.: 54-00300-09

2. FEE ATTACHED

Amount: 0
Check No.: 0

3. COMMENTS

Signed SLJ
Date 6-20-85

03214

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 3N 3P

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

Amendment ✓
Renewal _____
License _____

12/89

Signed Allen S. Cabell
Date 7/3/85