

CERTIFICATE OF DISPOSITION OF MATERIALS

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 8 HRS
FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530) U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON DC 20585 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503

INSTRUCTIONS: SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE.

(All items MUST be completed—print or type)

LICENSEE NAME AND ADDRESS

GE ASTRO SPACE DIVISION
P.O. BOX 800
PRINCETON, NJ 08543-0800

LICENSE NUMBER

29-00651-04

LICENSE EXPIRATION DATE

February 28, 1994

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT
(Check and/or complete the appropriate item(s) below.)

A. MATERIALS DATA (Check one and complete as necessary)

1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.
- OR
2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. (If additional space is needed, use the reverse side or provide attachments.)

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions, including the disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable.

Industrial Irradiator Gammacell 220

SER. #197

For transfers, specify the date of the transfer, the name of the licensed recipient, and the recipient's NRC license number or Agreement State name and license number.

Transferred back to manufacturer (Nordion International, Inc. NRC Lic. 54-28275-01). Irradiator was packed and crated by manufacturer representative and shipped on 10/17/89. Bill of lading attached.
If materials were disposed of directly by the licensee (rather than transferred to another licensee, licensed disposal site or waste contractor), describe the specific disposal procedures (e.g., decay in storage).

B. OTHER DATA

1. OUR LICENSE HAS NOT YET EXPIRED. PLEASE TERMINATE IT.
2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one)
- NO (Attach explanation)
- YES. THE RESULTS (Check one)
- ARE ATTACHED, OR
- WERE FORWARDED TO NRC ON (Date)
- Wipe Test of Cobalt-60 source was performed on 10/17/89 and no leakage was detected. Also no leakage was detected on any previous Wipe Test during the stay of the source at this facility, therefore, no residual radiation is present.

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME
Lester Jung

TELEPHONE NUMBER
(609) 426-3647

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

GE ASTRO SPACE DIVISION
P.O. BOX 800
ATTN: LESTER JUNG (MS-111)
PRINCETON NJ 08543-0800

8911210169 891107
REG1 LIC30
29-00651-04 PDC

CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

SIGNATURE

DATE

Oct. 26, 89

PRINTED NAME AND TITLE

Surinder Seehra

Radiation Safety Officer

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SHIPPER GE AEROSPACE DIVISION ROUTE 571 AND 535 HIGHTSTOWN, NEW JERSEY U.S.A. 08520 ATTN: LESTER JUNG	ISSUED AT SHIPPER'S REQUEST	SHIPPER'S REF. NO. 58199
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CONSIGNEE (OVERSEAS OR U.S.A. FOR EXPORT SHIPMENTS): NORDION INTERNATIONAL INC. 447 MARCH ROAD KANATA, ONTARIO K2K 1X8 CANADA
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NOTIFY / CUSTOMS BROKER

ORIGINATING CARRIER RUMBLE TRANSPORT	POINT OF ORIGIN HIGHTSTOWN, N. JERSEY
EXPORTING CARRIER RUMBLE TRANSPORT	PORT OF LADING / EXIT
PORT OF DISCHARGE	PLACE OF DELIVERY KANATA, ONTARIO

Received subject to the classifications and tariffs in effect on the date of issue of this Original Bill of Lading or received subject to the Rules for the Carriage of Express and Non-Carload Freight Traffic and tariffs in effect on the date of issue of this original Shipping Contract (bill of lading) goods described below in apparent good order except as noted (contents and conditions of contents of packages unknown) marked consigned and destined as indicated below which said Company agrees to carry to its usual place of delivery at said destination, if on its road otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said goods over all or any portion of said route to destination, and as to each party at any time interested in all or any of said goods, that every service to be performed hereunder shall be subject to all the terms and conditions which are hereby incorporated by reference and have the same force and effect as if the same were severally, fully and specifically set forth herein:

1. approved by the Board of Transport Commissioners for Canada by General Order No. T-5 dated February 1, 1965 set forth in the Canadian Freight Classification and also available at all Railway agency stations and freight offices upon request when said goods are carried by a rail carrier, or
2. of the bill of lading of the water carrier as provided in its tariff of Rules and Regulations when said goods are carried by a water carrier, or
3. of the bill of lading set forth in or prescribed by the relevant tariffs, classification, statutes and regulations pertaining to motor carrier's services when said goods are carried by a motor carrier, or
4. of the bill of lading prescribed by O.C. 986-79, April 4, 1979, when the said goods originating in Quebec are to be carried by a motor carrier,
5. or approved by the Board of Transport Commissioners for Canada by General Order No. T-43, set forth in the Rules for the Carriage of Express and Non-Carload Freight Traffic and also available at all express and railway agency stations and express and freight offices upon request when said goods are carried by a rail carrier and which are agreed to by the shipper and accepted for himself and his assigns.

T348-912

PARTICULARS FURNISHED BY SHIPPER

EXPORT ROUTING

MARKS & NUMBERS	TOTAL NUMBER & KIND OF PACKAGES	DESCRIPTION OF GOODS	WEIGHTS	FOR CARRIER'S USE CHARGES
"HM" PS58199 GC220 #197	RADIOACTIVE MATERIAL, N.O.S. CLASS 7 UN2982, NORMAL FORM, COBALT 60 APPROX., 6,000 CURIES CHEMICAL FORM: ELEMENT PHYSICAL FORM: SOLID TRANSPORT INDEX: RADIOACTIVE YELLOW AECB CERT. NO. USA/6125/B(U).REV.7 CDN/2013/B(U).REV.7 PLACARD NOTATION: RADIOACTIVE		9,700 LBS	
ONE CASES STERILIZERS N.O.I. OTHER THAN CABINET TYPE CONTAINING RADIOACTIVE MATERIAL STATE OF NEW JERSEY CERTIFICATE OF HANDLING NO. T89-97 STATE POLICE TEL. NO. (609)882-2000 DEP HOTLINE (609) 292-7172				Signature

WHERE REQUIRED BY THE TARIFF SHIPPER MUST COMPLETE THE FOLLOWING					SHIPPER - SHOW AMOUNT OF
DIM OF SHIPMENT	TOTAL CUBAGE	DIMENSIONAL WT	TOTAL WT 9,700 LBS	NO X.L. PCS/PKGS ONE	C.O.D.

CHARGE TO (IF OTHER THAN SHIPPER OR CONSIGNEE)	C. AMOUNT \$
DELIVERY INSTRUCTIONS IN BOND IN TRANSIT TO OTTAWA, CANADA.	O. FEE \$
	D. TOTAL \$

IF CHARGES ARE TO PREPAID WRITE OR STAMP HERE "TO BE PREPAID" COLLECT 89 OCTOBER 18	RECEIVED \$ _____ TO APPLY IN PREPAYMENT OF THE CHARGES ON THE PROPERTY DESCRIBED HEREIN _____ AGENT OR CASHIER	DECLARED VALUE OF SHIPMENT \$ _____ VALUATION	INBOUND \$
SHIPPER GE AEROSPACE DIVISION Oct 17, 1989 PER Lester Jung	CARRIER RUMBLE TRANSPORT DATE 12/10/89 PER [Signature]	CONSIGNEE _____ DATE _____ PER _____	BEYOND \$
			OTHERS (SPECIFY) \$ _____ \$ _____ \$ _____
			TOTAL CHARGES \$

INLAND ROUTING

REPORT OF ROUTINE WIPE TEST FOR CONTAMINATION

IMPORTANT: Sources shall be tested for leakage at intervals not to exceed six months. Records of test results shall be kept in units of microcuries and maintained for inspection by the appropriate Licensing Authority.

CUSTOMER LOCATION: NEW JERSEY
 DESCRIPTION OF SOURCE(S): FRANKLIN D. ROSS, P.O. SAFFORD

Source in Rack
 Drawer hole
 Collimator
 Survey Meter Used: Berthold R40/P

Instrument Sensitivity: 16-10-82
 Calibration Date: 16-10-82

Leak test(s) performed: 1. Routine wipe contamination test as detailed in the Facility Instructions.
 2. Other test(s) as described on reverse side.

Gross Wipe Reading = 15 c/min
 Background Reading = 2 c/min
 Net Wipe Reading = 13 c/min

Net Wipe Reading = 13 c/min
 Gross Wipe Reading = 15 c/min
 Background Reading = 2 c/min

Net Wipe Reading = 13 c/min
 Gross Wipe Reading = 15 c/min
 Background Reading = 2 c/min

Net Wipe Reading = 13 c/min
 Gross Wipe Reading = 15 c/min
 Background Reading = 2 c/min

MODEL & SERIAL NO. 6C220 143
 DATE OF TEST(S): 12-10-82

Test showed less than reportable action to readings and initial corrective action to readings above have been carried out.



Atomic Energy of Canada Limited

L'Energie Atomique du Canada, Limitee

Radiochemical Company

Societe radiochimique

REPORT OF ROUTINE WIPE TEST FOR CONTAMINATION

P&S 48199

IMPORTANT:

Sources shall be tested for leakage at intervals not to exceed six months. Records of test results shall be kept in units of microcuries and maintained for inspection by the appropriate Licensing Authority.

CUSTOMER LOCATION:

DOVID. SARNOFF R.I.
PRINCETON NEW JERSEY
DESCRIPTION OF SOURCE(S) TESTED:

MODEL & SERIAL NO. SC220 197

DATE OF TEST(S): 12-10-87

- Source in Rack
- Drawer hole
- Collimator

for ^{60}Co , ^{137}Cs , ^{238}U

Survey Meter Used: Berthold RATO/F

Serial No. 2505

Instrument Sensitivity:

	A	=		B	
400 c/min		=	0.05 μCi	^{60}Co	<input checked="" type="checkbox"/>
1000 c/min		=	0.05 μCi	^{137}Cs	<input type="checkbox"/>
140 c/min		=	0.005 μCi	^{238}U	<input type="checkbox"/>

Calibration Date: 16-10-87

Leak Test(s) Performed:

- 1. Routine wipe contamination test as detailed in the Facility Instruction and Maintenance Manual or Field Service Instructions.
- 2. Other test(s) as described on reverse side.

Gross Wipe Reading = 15 c/min
Background Reading = 15 c/min

Net Wipe Reading = 0 c/min x (B) $\frac{0.05 \mu\text{Ci}}{400 \text{ c/min}} = \underline{0} \mu\text{Ci}$

Test Evaluation:

- 1. NEGATIVE - Test showed less than reportable limit.
- 2. POSITIVE - Readings and initial corrective action to be detailed on reverse side.

It is hereby certified that the test(s) indicated above have been carried out under the supervision of the undersigned.

Conversion to S.I. Radiological Units $0.05 \mu\text{Ci} = 1.85 \text{ kBq}$ and $1 \text{ mrem} = 10 \mu\text{Sv}$.

Signed [Signature]

Date 12-10-87

Title Gen. Rep.