

(343)  
10 CFR 30.36(e)(1)(iv)  
10 CFR 40.42(e)(1)(iv)  
10 CFR 70.38(e)(1)(iv)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 30 MINUTES. THIS MANDATORY SUBMITTAL IS USED BY NRC AS PART OF THE BASIS FOR ITS DETERMINATION THAT THE FACILITY HAS BEEN CLEARED OF RADIOACTIVE MATERIAL BEFORE THE FACILITY IS RELEASED FOR UNRESTRICTED USE. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

**CERTIFICATE OF DISPOSITION OF MATERIALS**

INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED -- PRINT OR TYPE  
SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE

LICENSEE NAME AND ADDRESS

LICENSE NUMBER

E.F. Goodrich  
Moore & Walker Roads  
Avon Lake, OH 44012-0134

34-08558-01

LICENSE EXPIRATION DATE

November 30, 1993

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

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

- ☐ 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.

Refer to accompanying letter and documentation.

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.

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).

9903090154 990226

PDR FOIA  
POST98-341

PDR

**B. OTHER DATA**

- ☒ 1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.
2. A RADIATION SURVEY WAS CONDUCTED BY THE LICENSEE 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) Refer to accompanying documentation of disposal or transfer of units to general licenses.
- ☐ YES, THE RESULTS (Check one)
- ☐ ARE ATTACHED, or
- ☐ WERE FORWARDED TO NRC ON (Date)

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

NAME

Richard D. Hardesty

TELEPHONE NUMBER  
(Include Area Code)

(216)933-0496

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

Richard D. Hardesty, E.F. Goodrich, Moore & Walker Rds. Avon Lake, OH 44012-0134

**CERTIFYING OFFICIAL**

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

PRINTED NAME AND TITLE

David M. Shepard  
Plant Manager

SIGNATURE



DATE

11/1/93

**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.

**FILE CERTIFICATES AS FOLLOWS:**

**IF YOU ARE A DISTRIBUTOR OF EXEMPT PRODUCTS, SEND TO:**

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHERS, IF YOU ARE LOCATED IN:**

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE,  
MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY,  
NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT,  
SEND APPLICATIONS TO:

LICENSING ASSISTANCE SECTION  
NUCLEAR MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH  
CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE,  
VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND  
APPLICATIONS TO:

NUCLEAR MATERIALS SAFETY SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
101 MARIETTA STREET NW, SUITE 2900  
ATLANTA, GA 30323-0199

**IF YOU ARE LOCATED IN:**

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI,  
OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, IL 60137-5927

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA,  
MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA,  
OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING,  
SEND APPLICATIONS TO:

MATERIAL RADIATION PROTECTION SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
600 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8064

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON,  
WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN  
THE PACIFIC, SEND APPLICATIONS TO:

NUCLEAR MATERIALS SAFETY SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION V  
1450 MARIA LANE  
WALNUT CREEK, CA 94596-5368

A.     Iron-55                      ASOMA X-Ray Fluorescence Analyzer

Method to Remove From License: Transfer to Geon, Geon to put on ASOMA's general license.

Documentation:     1.     Letter from BFG to ASOMA requesting transfer.



The BFGoodrich Company  
Avon Lake General Chemical Plant  
P.O. Box 134  
Avon Lake, Ohio 44012  
General Offices  
Cleveland, Ohio

October 12, 1993

Mr. Ray Fleming  
ASOMA Instruments Inc.  
11675 Jollyville Road  
Austin, Texas 78759

Dear Mr. Fleming

RE: Fe-55 STABILIZER SOURCE TO GEON ON GENERAL PERMIT

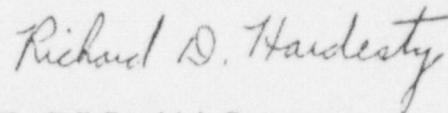
As we discussed on the phone, B.F. Goodrich wishes to remove the ASOMA Fe-55 from our specific license #34-08558-01 and transfer it to The Geon Company as a generally licensed instrument. Both you and Ms. Sandy Frazier of the Glen Ellyn office of the NRC have agreed via phone to do this. This letter is meant to confirm this change in writing.

The B.F. Goodrich Company ("Goodrich") has established The Geon Company ("Geon"). Both are publicly traded companies on the NYSE. Geon acquired certain assets and liabilities of Goodrich's former Geon Vinyl Division, including certain real and personal property at the Avon Lake, Ohio facility.

The radiation safety officer for Geon is: Jim Griffin, The Geon Company, Moore & Walker Rds., Avon Lake, Ohio 44012-0122. Jim's phone is (216) 933-0380; or you may contact Marilyn Kelling, same address, phone (216) 933-1700.

The Geon Company intends to license their source as a general license and not obtain a specific license.

Sincerely,



The B.F. Goodrich Company  
Richard D. Hardesty  
Manager, Health, Safety & Environmental

RDH:drf  
Asoma.doc



B. Cobalt-60

Method to Remove From License: BFGoodrich to request Berthold to put on their general license.

Documentation:

1. Copy of letter from BFG to Berthold requesting transfer.
2. Copy of Berthold's faxed letter to BFG stating placement of source on General License.

Return To:  
TeleFax # 412 378-1926  
ATTN: Mary Dedola

Berthold Systems.

LICENSE RETURN FORM

Berthold File Reference: 90-399

Customer: B.F. Goodrich

Purchase Order #: 5011-16343

The following sources will be shipped in it's designated shielding.

Device #1: Quantity: 1

- a) Device name: Continuous Level
- b) Device Model #: LB 300 L
- c) NRC Registration #: NR-112-D-106-B
- d) Isotope Type: Co-60 [X]Rod Source
- e) Up To Maximum Activity: 3 mCi
- f) Source Drawing #: P-2608-100/101

NOTE: For Belt Weigher devices, access to the primary beam will be prevented by a protective barrier (fence) or by conditions at a particular installation which cause access to the beam highly unlikely.

This is your responsibility; BSI is prepared to offer guidance.

The following License selection must be received by Berthold Systems prior to shipment.  
PLEASE CHOOSE YOUR OPTION:

Customer request that the gauge(s) be shipped and installed under the following license:

X 1) The General License referred to in Section 31.5 of U.S. Nuclear Regulatory Commission Rules, or The Equivalent Regulations of your Agreement  
State \_\_\_\_\_

OR

2) Your Specific License \_\_\_\_\_ No. \_\_\_\_\_

NOTE: Please attach a copy of your Specific License showing the Berthold device.

Signature of Radiation Safety Officer/Authorized Person:

*Richard D. Hardesty*

Date: 10-18-93

October 11, 1993

BSI Log # 1204 Operator: \_\_\_\_\_

Send To TeleFax # 216-933-1011

Page 1 of 2

**BERTHOLD SYSTEMS, INC.**

**Process Control Instruments**

Hopewell Business & Industrial Park  
101 Corporation Drive  
Aliquippa, Pennsylvania 15001-4863  
Telephone: (412) 378-1900  
Telefax: (412) 378-1926  
Tele: 988393 (BERTHOLD SYST UD)

Mr. Richard Hardesty  
B.F. Goodrich  
P.O. Box 134  
Avon Lake, OH 44012

Ship to: B.F. Goodrich  
Avon Lake General Chemical  
Avon Lake, OH 44012-0134

Customer Purchase Order 5011-16343 - Berthold's File Reference 90-399

Subject: Pre-Shipment NRC Licensing Information

Dear Safety Officer:

We wish to inform you that Berthold Systems, Inc. (BSI) has received the above referenced purchase order from B.F. Goodrich, which requires installation of a radiation device at Avon Lake, OH. We require receipt of the attached license return form, completed and signed, prior to shipment.

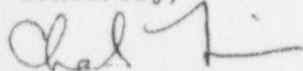
All Berthold Systems, Inc. devices have been safety-registered with the Nuclear Regulatory Commission (NRC) for distribution under a "Specific" or "General" license.

1. If you receive your device under a General License (automatic licensing - no application required), please follow the "Guide for Receipt under General License."
2. If you receive your device under a Specific license, please follow the "Guide for Receipt under Specific License." In this case, BSI must have a copy of your Specific License before shipment of the radioactive source can be made.

Please complete the attached form selecting the type of NRC License your plant will use, and telefax or mail to us.

The guides will be mailed to you separately. Please follow guides to prepare you for receipt of your device(s). Telephone us if you have any questions, toll free at 800 274-9851, or 412/378-7877.

Sincerely,



Charles Ferrin  
Radiation Safety Officer  
Berthold Systems, Inc.

- Enc: I - License Return Form  
II - Guide for Receipt Under General License (with NRC Regulation 10cfr31.5)  
III - Guide for Receipt Under Specific License (please obtain your own personal copy of the "Code of Federal Regulations"). Refer to Section 10cfr20.

cc: Mary Dedola



C. Nickel-63 Perkin-Elmer Detector Celi

Method to Remove From License: BFG has requested that Perkin Elmer put this detector on general license 06-02135-12G.

Documentation: 1. Copy of fax from PE completing transfer.

# PERKIN ELMER

FAX FAX FAX FAX FAX FAX FAX FAX FAX

OUR FAX NUMBER IS: (203) 762-6599

PERKIN-ELMER CORPORATION  
NORWALK, CONNECTICUT 06859-0098

## PRODUCT ASSURANCE DEPARTMENT QUALITY ASSURANCE/RELIABILITY ENGINEERING

TO	1	Name Pamela S. Lane	1	Location (If Perkin-Elmer, provide M/S #) 216-447-5527
	2	Name	2	Location (If Perkin-Elmer, provide M/S #)
	3	Name	3	Location (If Perkin-Elmer, provide M/S #)
	4	Name	4	Location (If Perkin-Elmer, provide M/S #)

FROM	NAME Sharon Mezes	DATE 9-9-93	M/S	TELE EXT.														
	SUBJECT Requested Transfer To General License.																	
										PAGE 1								OF 4

Pam

ATTACHED IS THE INFORMATION YOU NEED TO  
eliminate your specific NRC License.

Originals TO Follow in the MAIL.

Sharon Mezes

RADIATION SAFETY OFFICER

203-762-6504

ORIGINALS RECEIVED & ON FILE  
w/ P. LANE

## PERKIN ELMER

The Perkin-Elmer Corporation  
761 Main Avenue  
Norwalk, CT 06859-0001

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September 9, 1993

Pamela S. Lane

The BFGoodrich Company  
Research & Development Center  
9921 Brecksville Road  
Brecksville, Ohio 44141

Dear Pamela:

This is to verify your letter of September 9, 1993 requesting transfer to the Perkin-Elmer NRC general license 06-02135-12G. My files indicate everything is in order and therefore I find no reason to deny your request. I will inform the NRC of the change in my next quarterly report (October 93). Transfer date will be the date of your letter.

Cell Part Number: Model N600-0113 assembly containing a model N600-0204 detector cell.

Serial Number: 127

If you have any further questions please don't hesitate calling me.

Sincerely,

*Sharon Mezes*

Sharon Mezes  
Radiation Safety Officer



CORRECTED COPY

## MATERIALS LICENSE

Amendment No. 04

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with application dated February 5, 1992,	
1. Perkin-Elmer Corporation		3. License number 06-02135-12G is amended in its entirety to read as follows:	
2. 761 Main Avenue Norwalk, Connecticut 06859-0184		4. Expiration date April 30, 1998	
		5. Docket or Reference No. 1030-17474	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Nickel 63	A. See Condition 10	A. Not Applicable	
9. Authorized use			
A. Pursuant to Section 32.51, 10 CFR Part 32, the licensee is authorized to distribute the devices containing licensed material as specified in Condition 10., of this license to persons generally licensed pursuant to Section 31.5, 10 CFR Part 31 or equivalent provisions of the regulations of any Agreement State.			

## CONDITIONS

10. Each device distributed pursuant to the terms and conditions of this license shall be in accordance with the following table:

Device Model	Source	Maximum Activity Per Source Isotope	or Foil (Millicuries)
Model 330-0119	Foil	Nickel 63	15
Model N600-0113 Assembly containing a Model N600-0204 detector cell	Foil	Nickel 63	15
Model L413-0128 Assembly containing a Model N600-0204 detector cell	Foil	Nickel 63	15

9306010339

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

06-02135-12G

Docket or Reference number

030-17474

CORRECTED COPY

Amendment No. 04

(10. continued)

## CONDITIONS

<u>Device Model</u>	<u>Source</u>	<u>Maximum Activity Per Source Isotope</u>	<u>or Foil (Millicuries)</u>
Model N610-0063 Detector Cell Assembly	Foil	Nickel 63	15
Model N610-0134 Detector Cell Assembly	Foil	Nickel 63	15

11. The licensee is authorized to distribute the devices specified in Condition 10 from facilities located at 761 Main Street, Norwalk, Connecticut.
12. This license does not authorize possession or use of licensed material.
13. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application received March 28, 1980
  - B. Application dated December 16, 1980
  - C. Letter dated June 16, 1981
  - D. Application dated December 30, 1981
  - E. Letter dated April 27, 1982
  - F. Telegram dated April 16, 1982
  - G. Application dated June 9, 1986
  - H. Letter dated February 13, 1987
  - I. Letter dated February 23, 1987
  - J. Application dated January 17, 1990
  - K. Letter dated February 5, 1992

For the U.S. Nuclear Regulatory Commission

JUN 11 1993

Date

By

*Elizabeth M. White*  
Nuclear Materials Safety Branch  
Region I  
King of Prussia, Pennsylvania 19406

D. Nickel-63

Method to Remove From License: Returned to Hewlett-Packard.

Documentation:

1. Copy of BFG Shipping Order 00558 with UPS shipment imprint.
2. Copy of BFG Purchase Order for disposal.
3. Copy of Hewlett-Packard's license verification and disposal form.



## SHIPPING ORDER

BFGoodrich Company

 AUTHORIZED BY  
*Richard D. Handley*  
 PURCHASING DEPT. APPROVAL
OUR PURCHASE  
ORDER NO.

YOUR INVOICE NO.

SHIPPING ORDER NUMBER

00558

SHIPPED FROM  
SOLD TOYOUR INVOICE DATE  
SHIP TOPLEASE USE THE ABOVE NUMBER  
WHEN CORRESPONDING
 DATE ENTERED  
 9-23-92

 PLANT LOCATION  
 Avon Lake, Ohio

DEPT. NO. P/2376

ACCOUNT

 EC Detector Exchange Program  
 Hewlett-Packard  
 Avondale Division  
 Route 41 + Starr Road  
 Avondale, Penn 19311

BILL OF LADING NUMBER

O.S.D. &amp; R. REPORT NUMBER

CHECKED BY

DATE SHIPPED 10/1/92

SHIP VIA UPS

GROSS WT.

F.O.B.

☒ PREPAID

REQUIRED DELIVERY DATE

 HAZARDOUS ☐ YES ☒ NO  
 (IF YES, GIVE ADDITIONAL INFORMATION BELOW)
☐ COLLECT

VALUE, IF OVER \$250

## CHECK REASON FOR SHIPMENT

☐ REJECTED - RETURNED FOR CREDIT☐ REJECTED - RETURNED FOR REPLACEMENT☐ TO BE REPAIRED AND RETURNED TO☐ CONTAINER - RETURNED FOR CREDIT☐ SALE OF PROPERTY☐ LOAN OF PROPERTY☒ Return for Disposal

## DESCRIPTION

## SHIPPED

QUANTITY

UNIT

PRICE

TOTAL

 Hewlett-Packard 15mCi Nickel 63  
 Foil Source Serial # S10217  
 Dated 1-86

1

DOT - Radio active Instrument

DATE 10/01/92

UPS

8256

02:01.5 &amp; 02.84

INSTRUCTIONS TO VENDOR

HP Contact Jim Flannigan 215-268-5613

MATERIAL RECEIVED BY

SUGGES' &amp; VENDOR

REQ.  
NO.

ORDER NO. 36-32-22705

RELEASE  
NO. 22705

PAGE 1 OF 1

AT TECHNICAL CENTER  
MOORE & WALKER ROADS  
AVON LAKE, OHIO 44012

to The BFGoodrich Chemical Group

ATTN: ACCOUNTS PAYABLE DEPT.

AT TECHNICAL CENTER  
P. O. BOX 122  
AVON LAKE, OHIO 44012

7 度 的 網 絡 NET 3,

ROUTE  
(CHEAPEST WAY UNLESS OTHERWISE SPECIFIED)

TO

EC Detector Exchange Program  
Hewlett-Packard Company  
Avondale Division  
Route 41 & Starr Road  
Avondale, Pennsylvania 19311

SHIPMENT PROMISED

SHIPPING DATE

F.O.B.

TRANSPORTATION  
CHARGES

ON THE FACE AND REVERSE SIDE, ACKNOWLEDGE YOUR  
BILLS.

OUR CODE NUMBER, PURCHASE ORDER NUMBER AND NET WEIGHT MUST BE STENCILED ON TOP AND SIDES OF DRUMS AND ON ENDS OR SIDES OF BAGS.

ON SIDES OF BAGS.  
FREIGHT BILLS, BILLS OF LADING, QUALITY REPORTS, INVOICES AND PACKING SLIPS MUST SHOW OUR CODE NUMBER, PURCHASE ORDER  
NUMBER, REQUISITION NUMBER AND NET WEIGHT.

EACH OF YOUR INVOICES SHALL BEAR THE FOLLOWING STATEMENT: "WE HEREBY CERTIFY THAT THESE GOODS AND/OR SERVICES WERE PRODUCED AND/OR PERFORMED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6, 7 AND 12 OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE ADMINISTRATOR OF THE WAGE AND HOUR DIVISION ISSUED UNDER SECTION 14 THEREOF."

SALES OR USE TAX NOT TO BE ADDED UNLESS OTHERWISE INDICATED; DIRECT PAY AUTHORITY BY OHIO PERMIT 98001671,  
KENTUCKY PERMITS 26421 (LOUISVILLE) AND 26422 (CALVERT CITY), TEXAS PERMIT 3-00006-7515-4

DEL TO DEPT	BLDG	CHARGE DEPT	ACCT	NOTIFY	REQUISITION APPROVED BY
5641	B/431	2376	496	R.D. Hardesty	Richard D. Hardesty 9-22-92
JOB NO	EA NO				MW 9/23/92

**BF Goodrich** Chemical Group

By

Title of duly authorized official:

MAYER



HEWLETT  
PACKARD

HEWLETT-PACKARD COMPANY

BYPRODUCT MATERIALS (RADIOACTIVE) LICENSE VERIFICATION

For new purchase and return for exchange of specific license radioactive electron capture detectors HP 18713A, HP G1224A, HP part number 18803-60520, HP 19235, and HP 19303. Also for return for exchange of general license detectors HP 19282, HP 19233, HP G1223A, and HP 19312, for purchase of conversion kits HP 18742E, HP 19393, and HP 19235D, for use within the U.S. only.

For new purchase of general license detectors HP 19282, HP 19233, HP 19312, or G1223A customer certification card in HP publication number 43-5953-1798 or part number 5953-1798 must be completed. Hewlett-Packard distributes under NRC license numbers 37-07002-03G (General) and 37-07002-02 (Specific).

INSTRUCTIONS:

1. Complete section A below. Read section B and complete the appropriate certification statement (specific license below, general license on reverse side).
2. For new purchase, mail this form to your local Hewlett-Packard sales office.
3. For returns for exchange/servicing of used detectors, see section C reverse side.

A. CUSTOMER INFORMATION

COMPANY BFGoodrich  
ADDRESS Moore + Walker Roads  
Avon Lake, OH 1044012-0134  
TELEPHONE NO. 216-933-0496

CUSTOMER NAME \_\_\_\_\_  
CUSTOMER P.O. NO. \_\_\_\_\_  
HEWLETT-PACKARD SALES OFFICE \_\_\_\_\_  
HEWLETT-PACKARD SALES ORDER NO. \_\_\_\_\_  
TAX STATUS: TAXABLE ☐ EXEMPT ☒

B. LICENSE VERIFICATION

Failure to comply with licensing requirements can cause serious consequences for both your company and Hewlett-Packard. Having a designated licensee read and complete the applicable certification statement (specific license below, general license on reverse side) will serve as a check that you are properly licensed to receive the material indicated.

SPECIFIC LICENSE CERTIFICATION

The Nuclear Regulatory Commission Regulators require Hewlett-Packard to have on file verification of your NRC license (or State license if you live in an "Agreement" state) before shipping your detector. This license must be current and it must apply to the type, quantity, and form being purchased on the above-referenced order. (See CRF Title 10, and NRC form 313 and Regulatory Guide 10.7 for licensing information).

This is to certify that our NRC or Agreement State License is current and permits us to receive the type, quantity, and form of radioactive materials for the use specified as described below.

QTY	NEW PURCHASE	EXCHANGE	DETECTOR SERIAL NO.
_____ HP 19235 EC Detector, 15 mCi Ni 63-plated part, for use on HP 5890A Series Gas Chromatographs.	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____ HP 18713A EC Detector, 15 mCi Ni 63-plated part, for use on HP 5700 and HP 5790 Series Gas Chromatographs.	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____ Hewlett-Packard EC Detector, part number 18803-60520, 15 mCi Ni 63-plated part, for use on HP 5830/5840 Series Gas Chromatographs.	<input type="checkbox"/>	<input type="checkbox"/>	_____
<u>1</u> _____ HP 19303 EC Detector, 15 mCi Ni 63-plated part, for use on HP 5880 Series Gas Chromatograph.	<input type="checkbox"/> Disposal	<input type="checkbox"/>	<u>SN-S10217</u> <u>Dated 1/86</u>
_____ HP 18742E Accessory, for converting general license ECD (HP 19282) to specific license (HP 18713A).	<input type="checkbox"/>		_____
_____ HP 19393 Accessory, for converting general license ECD (HP 19312) to specific license (HP 19303).	<input type="checkbox"/>		_____
_____ HP 19235D Accessory, for converting general license (HP 19233) to specific license (HP 19235).	<input type="checkbox"/>		_____
_____ HP ECD Detector no. G1224A, 15 mCi for use on HP 5890 Series Gas Chromatographs	<input type="checkbox"/>		_____

LICENSE NUMBER 34-08558-06  
ISSUING AGENCY NRC  
EXPIRATION DATE 8-31-95

SIGNATURE OF AUTHORIZED OFFICER OR LICENSED USER  
Richard D. Hardisty  
DATE 9-22-92



# GENERAL LICENSES CERTIFICATION

(For exchange of general license detectors only. New purchase of general license EC detectors requires completion of customer certification card, publication number (43) 5953-1798 or part number 5953-1798..

This is to certify that we understand and are in compliance with regulations governing the general license EC detector described in information for General Licensees, publication number (43) 5953-1798 or part number 5953-1798.

QTY		EXCHANGE	SERIAL NO.
_____	HP 1x233 EC Detector, 15 mCi Ni 63-plated part, general license ECD for use on HP 5890 Series Gas Chromatographs.	<input type="checkbox"/>	_____
_____	HP 19312 EC Detector, 15 mCi Ni 63-plated part, general license ECD for use on HP 5880 Series Gas Chromatographs.	<input type="checkbox"/>	_____
_____	HP 19282 EC Detector, 15 mCi Ni 63-plated part, general license ECD for use on HP 5700 and HP 5790 Series Gas Chromatographs.	<input type="checkbox"/>	_____
_____	HP EC Detector no. G1223 A, 15 mCi-plated part, general license ECD for use on HP 5890 Series Gas Chromatographs.	<input type="checkbox"/>	_____

\_\_\_\_\_  
SIGNATURE OF GENERAL LICENSEE

\_\_\_\_\_  
DATE

C. EC DETECTOR EXCHANGE PROGRAM—EC Detectors HP 19233, HP 19235, HP 19282, HP 19303, HP 19312, HP 18713A, HP part number 18803-60520, HP G1223A, and HP G1224A.

Hewlett-Packard will ship a rebuilt detector subject to the following:

- This form must be completed properly and accompanied by a fully assembled detector (HP 19235, HP 19233, HP 19303, or HP 19312, HP 18713A, HP 19282, HP part number 18803-60520, HP G1223A, or HP G1224A.
- This program does not apply to any electronic parts or nonstandard hardware. Any such items received will be returned with the rebuilt detector.
- All rebuilt detectors are guaranteed to meet HP specifications for new detectors.
- Hewlett-Packard must receive the used detector before a replacement detector can be shipped. A rebuilt detector will be shipped within five working days after receipt of the used detector.
- Unless otherwise specified, return shipments will be by the fastest available method. All shipments will be FOB origin, freight prepaid, and added to the invoice.
- For prices, call your local Hewlett-Packard sales office and request the price for the appropriate exchange part number shown below.

When returning a detector for exchange.

1. Do not place an order with your local office. Leave blank the space for sales order number on the reverse side.
2. Consult your radiation safety officer and the latest revision of the Code of Federal Regulations, Titles 10 and 49 (sec. 173.42 173.421-1, 173.421), and applicable local and state regulations for packaging, labeling, and shipping instruction.
3. Send this form, a copy of your purchase order, and the detector directly to:

EC Detector Exchange Program  
Hewlett-Packard Company—Avondale Division  
Route 41 & Starr Road  
Avondale, Pennsylvania 19311

NOTE: If your detector is covered by warranty, contact your local service engineer before shipping your detector. This engineer will provide an order number to be entered on the reverse side instead of your purchase order number. In this case, you need not supply a purchase order.

Model No.	Detector No.	Exchange Part No.
HP 5890 Series	HP 19233	19233-69570 (general)
HP 5890 Series	HP 19235	19235-69530 (specific)
HP 5700/5790 Series	HP 18713A	18713-69501 (specific)
HP 5830/5840 Series	HP part no. 18803-60520	18803-69520 (specific)
HP 5880 Series	HP 19303	19303-69550 (specific)
HP 5700/HP 5790	HP 19282	19282-69501 (general)
HP 5880	HP 19312	19312-69550 (general)
HP 5890 Series	HP G1223A	19233-69576 (general)
HP 5890 Series	HP G1224A	19235-69536 (specific)

Printed in USA 6/90  
Publication No. (43) 5954-7621  
Part No. 19233-90750



E. Nickel-63 Hewlett-Packard Detector Cell  
Model No. 18803A

a. Detector Serial No. C0286

Method to Remove From License: Returned to Hewlett-Packard for disposal.

Documentation:

1. Shipping Order dated 9-8-93 from BFG to Hewlett-Packard
2. Letter dated 9-21-93 from Hewlett-Packard to BFG acknowledging receipt of SN-C2086

b. Detector Serial No. H2930

Method to Remove From License: BFGoodrich to request Hewlett-Packard to put on their general license.

Documentation:

1. Letter from HP to BFG, dated 9-14-93 transferring detector to General License 07-28762-02G

**BF Goodrich**

REMIT TO

**PURCHASING SHIPPING ORDER**

BFG-5039-B 4/79 PRINTED IN U.S.A.

**NOTICE TO SUPPLIER:**

THIS IS AN INVOICE. THE AMOUNT OF THIS INVOICE WILL BE DEDUCTED FROM OUR NEXT REMITTANCE IF WE HAVE A PAYABLE BALANCE. IF NO BALANCE IS OWING WE EXPECT PROMPT PAYMENT FROM YOU.

SHIPPED FROM <b>Bpdc</b>	OUR P.O. NUMBER	REQUISITION NO.	S.O. & DEBIT NO. *	REFER TO THIS NUMBER WHEN CORRESPONDING			
DEPARTMENT <b>8510</b>	CREDIT TO ACCT.	DATE ENTERED	DATE SHIPPED <b>9-8-93</b>				
SOLD TO		SHIP TO <b>HEWLETT-PACKARD Co. ATTN: ECD LAB 2850 CENTERVILLE Rd. WILMINGTON, DE 19808-1610</b>		CHECK REASON FOR SHIPMENT <input type="checkbox"/> 1. REJECTED - RETURNED FOR CREDIT <input type="checkbox"/> 2. REJECTED - RETURNED FOR REPLACEMENT <input type="checkbox"/> 3. DAMAGED IN TRANSIT - CLAIM CASE <input type="checkbox"/> 4. * B.F.G. PROPERTY OUT FOR PROCESSING ON S.O. NUMBER INDICATED ABOVE. <input type="checkbox"/> 5. SHIPPED TO B.F.G. BY MISTAKE <input type="checkbox"/> 6. SUPPLIER'S PROPERTY (DRUMS ETC.) <input checked="" type="checkbox"/> 7. RETURN FOR DISPOSAL			
F.O.B.	SHIP VIA	<input type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT	CHARGE		ALLOW	REASON	TERMS

QTY. ORDERED	UNIT	DESCRIPTION	QTY. SHIPPED	NET WGT	PRICE	UNIT	EXTENSION
1		Electron Capture Detector 15 $\mu$ mCi Nickel/63 Model 18803-60520 S/N C2086					
		Returned for Disposal					
		DOT- Radioactive Instrument					

CASE NO'S	WGT.	WEIGHED OR COUNTED BY (SIGN FULL LAST NAME)	REQUESTED BY <b>Pam LANE</b>	AUDITED BY <b>D. Gerny</b>	DATE <b>9/8/93</b>
			DEPT. NO. <b>8510</b>	SHIPPING STAMP	
		INBOUND TRANSPORTATION CHARGES	PURCHASING DEPT. APPROVAL		
		<input type="checkbox"/> ADD	DATE		
		<input type="checkbox"/> DO NOT ADD			

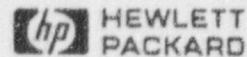
WORK COPY



## How to Package and Ship ECDs

1. Wipe off any external chemicals or debris that may be on the ECD, with a clean dry cloth.
2. Plug the entrance fitting, and cap the vent tube.
3. Place the ECD in a strong plastic bag, and seal the bag.
4. Pack it in a strong container (corrugated cardboard is satisfactory) with a shock absorbing packing material (bubble-pack if available), and carefully seal the box.
5. Mark the box with the following marking "Radioactive material excepted packages-articles, UN 2910".
6. All ECDs should be sent to: Hewlett-Packard Company  
Attention: ECD Lab  
2850 Centerville Road  
Wilmington, DE 19808-1610
7. We recommend that all ECDs should be shipped via Federal Express, never send an ECD via regular mail.
8. For additional regulatory information, regarding shipping ECDs, refer to the publication "Information for General Licensees" (HP Part No. 5953-1798).
9. Please enclose a letter on company letter-head, specifying the required service (i.e. disposal, re-built, cleaning, etc.) Please specify the serial number(s) of the detector(s), and your return address.
10. If you are returning a high-wipe detector (the wipe test indicated leakage greater than 0.005 microcuries), please call the ECD lab at (302)633-8521 immediately before shipment.

Hewlett-Packard Company  
Little Falls Site  
2850 Centerville Rd.  
Wilmington, DE 19808



Sept 21, 1993  
Pamela Lane  
BFGoodrich Co.  
Research Development Co.  
9921 Brecksville Road  
Brecksville, Ohio 44141

Re: Acknowledgement of Receipt of Electron Capture Detector

Dear Customer,

This is to acknowledge that Electron Capture Detector(s), Serial Number(s):

C. 2086

were received on Sept 9, 1993, and are in possession of the

Hewlett-Packard Company, Wilmington, DE, U.S.A.

Sincerely yours,

*Robert DeShields*

HEWLETT-PACKARD COMPANY  
NRC License No. 07-28762-02G

Hewlett-Packard Company  
Little Falls Site  
2850 Centerville Rd.  
Wilmington, DE 19808

Sept. 14, 1993

BF Goodrich Company  
Research & Development Company  
Attention: Pamela S. Lane  
9921 Bracksville Rd.  
Bracksville, Ohio 44141

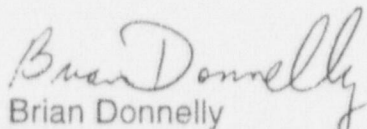
Dear Ms. Lane,

Our records indicate that your company possess a generally licensed Electron Capture Detector, Serial Number H2930, Model No. 19282. Since this is a general license detector, it is covered under Hewlett-Packard's Distribution License, License Number 07-28762-02G, issued by the U.S. Nuclear Regulatory Commission.

Hewlett-Packard distribution license allows us to distribute generally licensed Electron Capture Detectors. If you are in possession of a generally licensed Electron Capture Detector, and you comply with the requirements in our publication "Information for General Licensees", (H.P. Part No. 5953-1798), then that detector is covered under H.P.'s Distribution License.

If you should have any additional questions, or require any additional information, please do not hesitate to contact us.

Sincerely yours,

  
Brian Donnelly  
Radiation Safety Officer  
HEWLETT-PACKARD COMPANY



# HP 19233, HP 19282, HP 19312, and HP G1223A ECD

## Introduction

This publication describes proper installation, operation, and maintenance of HP 19233, HP 19282, HP 19312, and HP G1223A Electron Capture Detectors (ECD). It also discusses the regulations that govern their use and the safety precautions that must be observed to help avoid radiological hazards.

The terms "Regulations," "Agency," and "ECD" are used throughout this book. "Regulations" refers to the regulations of the Nuclear Regulatory Commission (NRC) as published in Title 10 of the Code of Federal Regulations (abbreviated as 10CFR) or, in the Agreement States, to the regulations of the responsible state agency. "Agency" refers to the Nuclear Regulatory Commission (NRC) or, in Agreement States, to the responsible state agency. Your local Hewlett-Packard Sales Office can advise you of the situation in your state. "ECD" refers to the HP 19282 Electron Capture Detector used in the HP 5790 Gas Chromatograph, or to the HP 19312 Electron Capture Detector used in the HP 5880 Gas Chromatograph, or to HP 19233 and HP G1223A Electron Capture Detector used in the HP 5890 Gas Chromatograph.

### NOTE

The material in this book concerning regulations is accurate as of the date of writing; however, regulations may change. It is your responsibility to be in compliance with the latest revision.

A Certification Form is included at the back of this book. The

detector, or the instrument in which it is installed, cannot be shipped until the completed Certification Form is received by the Little Falls Site, formerly the Avondale Division, of Hewlett-Packard Company.

## Description of the Detector

The ECD can be purchased as an option with the instrument, in which case it is installed at the factory, or as an add-on accessory to be installed by you or by Hewlett-Packard.

The ECD consists of the detector cell, the thermal insulation that surrounds it, mounting hardware and the detector cover, and associated overheat protection circuitry. The two halves of the cell are joined by screws that require a special tool for removal. This tool is not supplied with the detector.

## Licensing Requirements

You automatically become a General Licensee when you purchase the ECD, whether it is mounted in a gas chromatograph or purchased as an add-on accessory. You do not have to apply for a general license from the NRC or State Agency. You may be required to register with the Regulatory Agency of your state in case you live in an "Agreement State."

**Certain regulations apply to general licenses. In particular, you may not do the following:**

1. Open the detector cell.
2. Modify the cell in any manner.

3. Use any solvent, including water, to clean the cell.
4. Interfere with or attempt to defeat the overheat circuitry supplied with the detector.
5. Transfer the detector to another person or another location except as described in the Regulations.

## You are required to:

1. Perform a radioactivity leak test at least every 6 months.
2. Maintain records as required by the Agency.
3. Notify the Agency in case of any incidents or failures that might lead to a hazardous condition.

These requirements are discussed in greater detail later in this book, together with the full text of the pertinent sections of the NRC regulations. Use of the detector in Agreement States is governed by regulations substantially the same as these.

## Principle of Operation

The radioactive source in the cell produces high-energy electrons. These interact with carrier gas molecules, causing a multiplication of the number of electrons and a decrease in their energy. The resulting low-energy electrons can be captured by certain sample molecules. The surviving electrons are periodically collected by a voltage pulse applied to the cell electrodes.

F. Nickel-63

Method to Remove From License: Returned to Perkin Elmer via Nuclear Radiation Development for disposal.

Documentation:

1. Copy of BFG Shipping Order 00559 with UPS shipment imprint.
2. Copy of BFG Purchase Order and check for disposal.

# SHIPPING ORDER

Goodrich Company

AUTHORIZED BY

*Richard D. Handberg*  
PURCHASING DEPT. APPROVAL

DATE ENTERED

9-23-93

PLANT LOCATION

Avonlake, Ohio

DEPT NO

0/2404

ACCOUNT

CHECK REASON FOR SHIPMENT

☐ REJECTED - RETURNED FOR CREDIT

☐ REJECTED - RETURNED FOR REPLACEMENT

☐ TO BE REPAIRED AND RETURNED TO

☐ CONTAINER - RETURNED FOR CREDIT

☐ SALE OF PROPERTY

☐ LOAN OF PROPERTY

☒ Return for Disposal

OUR PURCHASE ORDER NO

YOUR INVOICE NO

SHIPPED FROM  
SOLD TO

YOUR INVOICE DATE

SHIP TO

Nuclear Radiation Development  
2937 Alt Blvd  
Grand Island, NY 14072  
Att. Larry Keating

DATE SHIPPED

10/1/92

SHIP VIA

☒ PREPAID

☐ COLLECT

GROSS WT

REQUIRED DELIVERY DATE

VALUE, IF OVER \$250

HAZARDOUS ☐ YES ☒ NO

(IF YES, GIVE ADDITIONAL INFORMATION BELOW)

DESCRIPTION

Perkin-Elmer 10 mCi Nickel 63  
Foil Source Model 3300119 Serial  
# 10389 Dated 1-80

DOT - Radioactive Instrument

RMA-LK-9-21-92

INSTRUCTIONS TO VENDOR

MATERIAL RECEIVED BY

SHIPPING ORDER NUMBER

00559

PLEASE USE THE ABOVE NUMBER WHEN CORRESPONDING

BILL OF LADING NUMBER

O S D & R REPORT NUMBER

CHECKED BY

PRICE

TOTAL

QUANTITY

UNIT

DATE 10/01/92

UPS

8257

01.24.5 \$ 02.24



SUGGESTED VENDOR

REQ. NO.	ORDER NO.	36-32-2270
PAGE 1 OF 1	RELEASE NO.	22704

SHIP TO: The BFGoodrich Chemical Group  
AT TECHNICAL CENTER  
MOORE & WALKER ROADS  
AVON LAKE, OHIO 44012

BILL AND SEND INVOICES IN duplicate

TO The BFGoodrich Chemical Group

ATTN: ACCOUNTS PAYABLE DEPT.

AT TECHNICAL CENTER  
P. O. BOX 122  
AYON LAKE, OHIO 44012

TERMS CHECK ENCLOSED

ROUTE (CHEAPEST WAY UNLESS OTHERWISE SPECIFIED)

TO Nuclear Radiation Development Corp.  
2937 ALT Blvd.  
Grand Island, NY 14072

L Attn: Larry Keating  
(716) 773-7634 Fax 773-7744

SHIPMENT PROMISED \_\_\_\_\_

SHIPPING DATE \_\_\_\_\_

P.O. 0

TRANSPORTATION  
CHARGE

PLEASE ENTER OUR ORDER PER THE TERMS, CONDITIONS AND SPECIFICATIONS SET FORTH OR REFERRED TO ON THE FACE AND REVERSE SIDE. ACKNOWLEDGE YOUR ACCEPTANCE BY RETURN MAIL. TRANSPORTATION CHARGES ON INVOICE MUST BE SUPPORTED BY PAID TRANSPORTATION BILLS. DO NOT INSURE PARCEL POST SHIPMENTS OR DECLARE EXCESS VALUATION ON EXPRESS FOR OUR ACCOUNT.

OUR CODE NUMBER, PURCHASE ORDER NUMBER AND NET WEIGHT MUST BE STENCILED ON TOP AND SIDES OF DRUMS AND ON END OR SIDES OF BAGS.  
FREIGHT BILLS, BILLS OF LADING, QUALITY REPORTS, INVOICES AND PACKING SLIPS MUST SHOW OUR CODE NUMBER, PURCHASE ORDER NUMBER, REQUISITION NUMBER AND NET WEIGHT.

EACH OF YOUR INVOICES SHALL BEAR THE FOLLOWING STATEMENT: "WE HEREBY CERTIFY THAT THESE GOODS AND/OR SERVICES WERE PRODUCED AND/OR PERFORMED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6, 7 AND 12 OF THE F.F.R. LABO STANDARDS ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE ADMINISTRATOR OF THE WAGE AND HOUR DIVISION ISSUED UNDER SECTION 14 THEREOF."

SALES OR USE TAX NOT TO BE ADDED UNLESS OTHERWISE INDICATED. DIRECT PAY AUTHORITY BY OHIO PERMIT 98006167  
KENTUCKY PERMITS 26421 (LOUISVILLE) AND 26422 (CALVERT CITY), TEXAS PERMIT 3-00006 1015-4

DEL TO DEPT	BLDG	CHARGE DEPT	ACCT	NOTIFY	REQUISITION APPROVED BY
641	B/431	2404	496	R. D. Hardesty	<i>Richard D. Hardesty</i> 9-22-92
JOB NO	EA NO				

**Goodrich Chemical Group**

By

Title of duly authorized official

**BUYER**

**BF Goodrich**

AL 02873

Technical Center, Avon Lake, O. 44012

55-200  
412

PAY

BF GOODRICH  
CHEMICAL GROUP

IN FULL PAYMENT OF ACCOUNT STATED IN VOUCHER RENDERED HEREWITH

DATE

PAY TO THE ORDER OF

AMOUNT

September 22, 1992

NUCLEAR RADIATION DEVELOPMENT CORP.

\$100.00

ELYRIA SAVINGS & TRUST  
NATIONAL BANK  
AVON LAKE OFFICE  
AVON LAKE, OHIO

WORKING FUND

*R. J. Holobish*

⑈028733⑈ ⑈041202003⑈ ⑈3280071⑈

REMITTANCE ADVICE - DETACH BEFORE DEPOSITING CHECK

INVOICE DATE			INVOICE NUMBER	DEPT.	ACCT. NO.	INVOICE AMOUNT	DISCOUNT	NET AMOUNT
9	22	92	Disposal of P&E Nickel 63 Foil Source from Electron Capture Detector	P404	496			\$100.00

**BF Goodrich** Technical Center Avon Lake, O. 44012

AMOUNT OF PAYMENT →

G. Cesium-137 Four Texas Nuclear Model 696894 Level Gauges

Method to Remove From License: Return to supplier.

Documentation:

Letter from TN Technologies, Inc. dated 9-8-93 certifying receipt and ownership of the four level gauges.



**ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL**

**Date:** September 8, 1993  
**Company Name:** The Geon Company  
**Address:** P.O. Box 122  
Avon Lake, OH 44012  
**Attention:** Mr. Bill Baran

This is to certify that TN Technologies Inc. has received and accepted ownership of the radioactive material described below pursuant to applicable regulations and as authorized by our Texas Radioactive Material License LO3524:

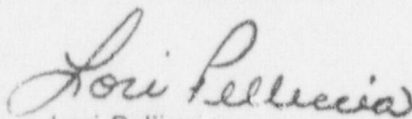
Isotope	Activity	Source Serial No.	Manufacturer	Model No.	Model Serial No.
Cs-137	100 mCi	AA-0385	Texas Nuclear	5205	B189
Cs-137	100 mCi	AA-0384	Texas Nuclear	5205	B190
Cs-137	100 mCi	AA-0393	Texas Nuclear	5205	B191
Cs-137	100 mCi	AA-0392	Texas Nuclear	5205	B192

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material.

If you have any questions or if we may be of further assistance, please contact me directly at 512-388-9291.

Sincerely,

TN TECHNOLOGIES, INC.



Lori Pelliccia  
Technical Services Coordinator

/llp

*TN Technologies, Inc.*

An EnviroTech company