



SGS Industrial Services

MS 16

Q-6

2506 Davis Street
San Leandro, California 94577
Tel: 510-562-7500
Fax: 510-562-0762

June 07, 1995

U.S. Nuclear Regulatory Commission
Nuclear Material Safety Branch
Division of Radiation Safety and Safeguards
Region 1
475 Allendale Road
King of Prussia, Pa. 19406-1415

Attention: James M. Bondick

Subject: Radioactive Materials License
Number 29-02477-01
Docket No. 030-33619
Control No. 121048

SGS Industrial Services and United States Testing in response to your letter dated February 06, 1995, requesting additional information, submits the following:

Additional Information Requested

Item #1

1. Your letter states that the Items identified as A., B., and C., were transferred to NRC License No. 04-29067-01, and/or NRC License No. 04-29067-02.
 - a. With respect to Items 6.A., 6.B., 6.C., and 6.F. on your license (excluding Items 6.D., and 6.E. for the of Nickel 63), please provide additional documentation of the transfer of this radioactive material. The required documentation is 1) a copy of the manifest or the transfer of the radioactive material, 2) the date of the transfer, 3) a copy of the letter from the licensed recipient that the radioactive materials have been received, and 4) the results of the leak tests in microcuries for all the sealed sources transferred.
 - b. Identify all licensed material ever possessed and used at your facility located at 616 North Street, Jim Thorpe, Pennsylvania.
 - c. Confirm that you wish to delete from your license the use of licensed material at temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

OFFICIAL RECORD COPY

ML 10

121048

Page 1 of 4

JUN -9 1995



Société Générale de Surveillance

A12

SGS Industrial Services

United States Nuclear Regulatory Commission
Region 1
James M. Bondick
License No. 29-02477-01
Docket No. 030-33619
Control No. 121048
June 07, 1995

Response - Item #1.

- a. The licensed material listed in **Item a.** was officially transferred and moved (shipped via truck) from the US Testing, Hoboken, New Jersey facility (License No. 29-02477-01) to the SGS Industrial Services, San Leandro, California facility (California License No. 3451-60, on May 10, 1995 and received (San Leandro, United States Nuclear California) on May 18, 1995. SGS Industrial Services was prior to January 01, 1995, a division of United States Testing. Enclosed please find copies of the requested documentation pertaining to the transfer.

Please Delete Conditions:

[6. A., 6. B., 6. C.] --- [7. A., 7. B., 7. C.]
[8. A., 8. B., 8. C.] ---- [9. A., B. & C.]

- b. Enclosed please find copies of the licensed material (Nuclear Gauges) that were used and transferred from SGS Industrial Services/United States Testing (License No. 29-02477-01/Reference No. 030-33619/41-25235-02) to United Testing of PA. Inc. (License No. 37-30053-01).
- c. Please delete from **Condition 10** - 616 North Street, Jim Thorpe, Pennsylvania and temporary job sites anywhere in the United States where the U.S. NRC maintains jurisdiction. **Note:** The licensed material used at the Jim Thorpe, PA facility was transferred to United Testing of PA. Inc., on September 10, 1993. Documentation enclosed.

Item #2

2. Prior to release of your old facility for unrestricted use at 616 North Street, Jim Thorpe, Pennsylvania, you should be sure that the facilities meet the criteria in the enclosed "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of License for Byproduct Source, or Special Nuclear Material". You should submit a report of the results of the surveys you performed to this office and refer to this letter.

SGS Industrial Services

United States Nuclear Regulatory Commission
Region 1
James M. Bondick
License No. 29-02477-01
Docket No. 030-33619
Control No. 121048
June 07, 1995

Response - Item #2.

The facility and licensed material used at 616 North Street, Jim Thorpe, Pennsylvania was transferred to United Testing of PA. Inc., (License No. 37-30053-01) on September 10, 1993. Documentation enclosed.

Item #3

3. An inspection of your facility on January 23, 1995, indicated that you possess two Unitron units in storage. Please provide information on what byproduct material these units contain, the amount of byproduct material contained in these units, and the intended disposition of these units.

Response - Item #3

SGS Industrial Services had two (2) Unitron Cobalt 60 devices in storage at the SGS Industrial Services/United States Testing, 1415 Park Avenue, Hoboken, New Jersey facility. One unit (Unitron 151H, S/N C718) had <5 curies of Cobalt 60 and the other unit (Unitron 110A, S/N 1107) was empty. Both units were leak tested (<.001 Microcurie) and disposed of. The unit (Unitron 151H, S/N 1524, Source S/N C718) was transported (DOT approved overpack 20WC) to Amersham Corp., Burlington, MA. for disposal. All labels were removed from the other (empty) device (lead shielding) and the device was scraped. Documentation enclosed.

Item #4

4. Your application should have been signed by a management representative rather than the Radiation Safety Officer. Please submit a letter signed by a management representative indicating that management has reviewed the application and concurs with the statements and representations contained therein. Note also that a management representative should sign all future correspondence which request changes in your license.

Response - Item #4

All correspondence requesting changes in the license will be signed by a management representative.

SGS Industrial Services

United States Nuclear Regulatory Commission
Region 1
James M. Bondick
License No. 29-02477-01
Docket No. 030-33619
Control No. 121048
June 07, 1995

On May 10, 1995, all the radioactive material (as noted above) was removed from the storage area at 1415 Park Avenue, Hoboken, New Jersey. The devices and storage area were leak tested and the results enclosed.

On June 07, 1995, Tom W. Cuthbertson talked to Lee Fredericks (United States Testing) about the current status of Conditions D., E., and F. (License No. 29-02477-01). Lee informed Tom that those had not as yet been resolved and those items would taken care of by Lee Fredericks (U. S. Testing).

The delay in responding to your letter of February 06, 1995, was due to the delay in obtaining an approved DOT overpack from Amersham for the Unitron device (<5 curies Cobalt 60). It was also SGS Industrial Services desire to remove and/or dispose all of the radioactive material noted in Conditions A., B., and C.

Thank you for your immediate attention and cooperation in this matter. Hopefully, the information submitted will allow you to resolve this matter to your satisfaction. However, should you require additional information or clarification, please contact the undersigned.

Sincerely,



John McCormick
Vice President

Enclosures

cc: Richard Guerrero
President
SGS Industrial Services

TWC

Amersham Corporation
40 North Avenue
Burlington, Massachusetts 01803
Telephone (617) 272-2000

518
LEAK TEST

Co. Name SGS INDUSTRIAL SERVICES P.O. No. _____
Street 2506 DAVIS ST. NRC or 042906701
City, State SAN LEANDRO, CA. 94577 State License No. _____
Projector _____ C_s source #
Model No. CPN MCI PCT. Serial No. 2003 (C400196A)
Source _____
Model No. ~~C400196A~~ N/A Serial No. ~~2003~~ C400196A Curies 10.0/50 MCI
IR-192 _____ CO-60 _____ CS-137 ~~C400196A~~ X Other ~~N/A~~
Wipe _____
Performed By Robert Shady Date 5-2-95 *AM241 BE

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

FOR TECH-OPS USE ONLY
PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY < .001 MICROCURIE
TEST PERFORMED BY MW-jk
NEXT LEAK TEST DUE 11-2-95

White Original — Yellow Amersham Corporation — Pink Customer

Amersham Corporation
40 North Avenue
Burlington, Massachusetts 01803
Telephone (617) 272-2000

518
LEAK TEST

Co. Name SGS INDUSTRIAL SERVICES P.O. No. _____
Street 2506 DAVIS ST. NRC or 042906701
City, State SAN LEANDRO, CA. 94577 State License No. _____
Projector _____
Model No. CPN 6 L MARK II Serial No. N/A
Source _____
Model No. C7208715 Serial No. C7208715 Curies 10.0/50 MCI
IR-192 _____ CO-60 _____ CS-137 ~~C400196A~~ X Other ~~N/A~~ C7208715
Wipe _____
Performed By Robert Shady Date 5-2-95 *AM241 BE

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

FOR TECH-OPS USE ONLY
PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY < .001 MICROCURIE
TEST PERFORMED BY MW-jk
NEXT LEAK TEST DUE 11-2-95 ^{3/3/95} MW

White Original — Yellow Amersham Corporation — Pink Customer

Amersham Corporation

40 North Avenue
Burlington, Massachusetts 01803
Telephone (617) 272-2000

**518
LEAK TEST**

Co. Name SGS INDUSTRIAL SERVICES P.O. No. _____

Street 2506 DAVIS ST. NRC or 042906761

City, State SAN LEANARD, CA. 94577 State License No. _____

Projector Model No. TROLEX 2401 Serial No. 3144

Source Model No. N/A Serial No. AC 5118 Curies 10.0/50 MCI

IR-192 _____ CO-60 _____ CS-137 Other AM 241 BE

Wipe Performed By [Signature] Date 5-2-95

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

FOR TECH-OPS USE ONLY

PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY 2.001 MICROCURIE
TEST PERFORMED BY [Signature]
NEXT LEAK TEST DUE 11-2-95

White Original — Yellow Amersham Corporation — Pink Customer

Amersham Corporation

40 North Avenue
Burlington, Massachusetts 01803
Telephone (617) 272-2000

**518
LEAK TEST**

Co. Name SGS INDUSTRIAL SERVICES P.O. No. _____

Street 2506 DAVIS ST. NRC or 042906701

City, State SAN LEANARD, CA. 94577 State License No. _____

Projector Model No. TROLEX 2401 Serial No. 3579

Source Model No. N/A Serial No. AC 4843 Curies 10.0/50 MCI

IR-192 _____ CO-60 _____ CS-137 Other AM 241 BE

Wipe Performed By [Signature] Date 5-2-95

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

FOR TECH-OPS USE ONLY

PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY 2.001 MICROCURIE
TEST PERFORMED BY [Signature]
NEXT LEAK TEST DUE 11-2-95

White Original — Yellow Amersham Corporation — Pink Customer

Amersham Corporation
40 North Avenue
Burlington, Massachusetts 01803
Telephone (617) 272-2000

518
LEAK TEST

Co. Name SGS INDUSTRIAL SERVICES P.O. No. _____
Street 2506 DAVIS ST. NRC or 042906702
City, State SAN LEANARD, CA 94577 State License No. _____
Projector
Model No. UNITRON 110A Serial No. 1107
Source
Model No. EMPTY Serial No. EMPTY Curies EMPTY
IR-192 _____ CO-60 _____ CS-137 _____ Other _____
Wipe
Performed By Bob Hardy Date 5-2-95

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before _____

FOR TECH-OPS USE ONLY
PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY <.001 MICROCURIE
TEST PERFORMED BY MW
NEXT LEAK TEST DUE 11-2-95

White Original — Yellow Amersham Corporation — Pink Customer

Amersham Corporation
40 North Avenue
Burlington, Massachusetts 01803
Telephone (617) 272-2000

518
LEAK TEST

Co. Name SGS INDUSTRIAL SERVICES P.O. No. _____
Street 2506 DAVIS ST. NRC or 042906702
City, State SAN LEANARD, CA. 94577 State License No. _____
Projector
Model No. ISL-H Serial No. 0718 1524
Source
Model No. 36907 Serial No. 0718 Curies 2500
IR-192 _____ CO-60 CS-137 _____ Other _____
Wipe
Performed By Bob Hardy Date 5-2-95

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before _____

FOR TECH-OPS USE ONLY
PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY <.001 MICROCURIE
TEST PERFORMED BY MW
NEXT LEAK TEST DUE 11-2-95

White Original — Yellow Amersham Corporation — Pink Customer

AMERSHAM CORPORATION
SENTINEL DIVISION
40 NORTH AVE
BURLINGTON, MA 01803
FAX: (617) 273-2216

(REPRINT)

PAGE 1

R E C E I V I N G R E P O R T

R-008491

Whs: 1

RMA NUMBER:
DATE RECEIVED: 5/04/95

Mail To

Received From

R & T SUPPLY
ATN: R. HARDY
P.O. BOX 730
DOVER

SGS
1415 PARK AVENUE

AR 72837

HOBOKEN

NJ 07030

CARRIER: CUSTOMER

FREIGHT BILL #: N/A

PREPAID

MODEL: CPMTRON

CUSTOMER PROPERTY - MULTITRON

SERIAL: 1524

SALES ORDER:

CUSTOMER PROPERTY

ISOTOPE: COBALT-60

CUSTOMER: 1904700

20WC5 WOODEN OVERPACK
OVER PACK SN: 2

Model#

Serial#

Activity

36907

C718

510 CURIES

SURFACE RADIATION: 1 mr/hr TRANSPORT INDEX: .1 mr/hr
REMOVABLE CONTAMINATION LEVEL IS < .001 uCi

COMMENTS

This form is to acknowledge that the materials listed above were received by AMERSHAM CORPORATION. Please save this for your files.

RECEIVED BY: *[Signature]*

Bob Hardy

Amersham Corporation

0 North Avenue.
Irlington, Massachusetts 01803
elephone (617) 272-2000



Customer Name SGS INDUSTRIAL SERVICES P.O. No. _____

Street 2506 DAVIS ST. NRC or 042906702

City, State SAN LEANARD, Ca. 94577 State License No. _____

Projector Model No. 151-H Serial No. 0718 1524

Source Model No. 36907 Serial No. 0718 Curies 4500

R-192 _____ CO-60 CS-137 _____ Other _____

Exposure performed By Robert Hardy Date 5-2-95

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that his source must be tested again on or before

FOR TECH-OPS USE ONLY
PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY 2.001 MICROCURIE
TEST PERFORMED BY W. W. [Signature]
NEXT LEAK TEST DUE 11-2-95

White Original — Yellow Amersham Corporation — Pink Customer

1-201-656-0636



SGS Industrial Services

RADIOACTIVE MATERIAL TRANSFER REPORT

Isotope Co 60 Source S/N C-718 Curies <5Ci Date 5-3-95

EXPOSURE DEVICE ----- SOURCE CHANGER

Make AUTOMATION Model ISI-H Serial No. 1524

EXPOSURE DEVICE ----- SOURCE CHANGER

Make _____ Model _____ Serial No. _____

Transferred From SGS 842906702 To AMERSHAM 20-12836-01

Reason For Transfer:

New Source Requested Source Returning Malfunction or Damaged

Mechanical Defects or Malfunctions SOURCE BEING TRANSFERRED TO AMERSHAM FOR DISPOSAL.

Shipment Prepared By Typhus Akudj Authorized By T. CUTHBERTSON

SHIPPING CONTAINER

Container shall be a "Type B" designed to meet with requirements of DOT

- 1. Shipping Container S/N 2
- 2. Condition of Container Good
- 3. Labeled Danger Aircraft Only N/A
- 4. Package Certificate Affixed N/A
- 5. Labeled with Package Certificate (model or Identification No.) YES
- 6. Labeled with "Radioactive Material Special Form N.O.S." YES
- 7. Labeled "Type B" DOT-E-11266 YES
- 8. Shipping Label Affixed YES
- 9. Radioactive Yellow Labels Affixed
Type of Label: Yellow II
Yellow III

SURVEY OF MATERIAL PRIOR TO SHIPMENT

Surface of Exposure Device/Changer 4 mR/hr (mSv/hr) At 40" (1 meter) .5MR
Surface of Shipping Container .5MR mR/hr (mSv/hr) At 40" (1 meter) 0MR

SURVEY OF MATERIAL AS RECEIVED

Surface of Shipping Container 0.2 mR/hr (mSv/hr) At 40" (1 meter) 0
Surface of Exposure Device/Changer 1 mR/hr (mSv/hr) At 40" (1 meter) 0.1

SGS Industrial Services

RADIOACTIVE MATERIAL SHIPPING DOCUMENT

COMPANY (Transporting - Exclusive Use) VEHICLE

Cobalt 60 Sealed Source

Week Ending 5/5/95

Shipper: SGS Industrial Services 1415 Park Ave Hoboken, N.J. 07030				Consignee: SGS Industrial Services 1415 Park Ave Hoboken, N.J. 07030		
Date	Jobsite Location	Exposure Device Model & S/N	No. of Ci/GBq	Surface mR/hr mSv/hr of Container	Transport Index mR/mSv/hr at 40"	Signature of Radiographer
5/3	Amersham, MA Woburn, MA	AUTOMATION 151-H	185	.5 mR	0 mR	<i>[Signature]</i>

DESCRIPTION OF PIECES AND CONTENTS

(RQ) Radioactive Material - Special Form N.O.S. - UN 2974 - Class 7
Cobalt 60: 100 Curies/3700 GBq Maximum
Yellow Label II
Transport Index: Not Over 1

TO 680B - USA/ 9035/B (U) ----- USA/ 20WC overpack /B(U)

This is to certify that the above named materials are properly classified, described, packaged, marked, labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

"Radioactive Yellow II Label" - 0.5 to 50 mR/hr (5 µSv/hr to 0.50 mSv/hr on the surface and not over 1 mR/hr (mSv/hr) at 1 meter (40") from container. Yellow II Label does not require vehicle placards. **Note:** Do not Transport, if surface of container is over 50 mR/hr (0.50 mSv/hr) and/or over 1 mR/hr (0.01 mSv/hr) at 1 meter (40"). If there are any questions on the correct procedure, Do Not Transport, contact the RSO/Corporate RSO.

Job Harry

Amersham Corporation
100 North Avenue
Boston, Massachusetts 01803
Phone (617) 272-2000

**510
LEAK TEST**

Name SCS INDUSTRIAL SERVICES P.O. No. _____
Address 2506 DAVIS ST. NRC or 042906702
State SAN LEANDRO, CA 94577 State License No. _____
Model No. UNITRON 110A Serial No. 1107
Isotope No. EMPTY Serial No. EMPTY Curies EMPTY
Type 2 CO-60 CS-137 Other _____
Tested By R. J. Hardy Date 5-2-95

United States Nuclear Regulatory Commission requires that radiographic sources be checked for evidence of leaking at the time of manufacture and thereafter at not more than 12 month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and repaired or be disposed of. Please note that the source must be tested again on or before _____

FOR TECH-OPS USE ONLY
PROCESSED AT AMERSHAM ON 3 MAY 95
RADIOASSAY <.001 MICROCURIE
TEST PERFORMED BY [Signature]
NEXT LEAK TEST DUE 11-2-95

To: Tom Cuthbertson
From: Robert Hardy
Date: May 10, 1995
Subj: Final Closure of Hoboken Radioactive Materials

=====
Please find enclosed all the information for the closure of the Hoboken Facility. I have performed a wipe of the storage room and sent it to you for disposition. I expect you can send this to RDC for evaluation. All the paperwork for the troxler gauges are enclosed as well as the transfer report for the Cobalt 60 to Amersham for disposal. Also included are the leak test results for all exposure devices. This will finalize all our activity in Hoboken. The troxlers should arrive in San Leandro within the next ten to twelve days. The tracker number is enclosed also. (on the manifest)

If you have any questions, please let me know.

Regards,


Robert Hardy

CC: R. Guerrerio
L. Fredericks



RADIATION DETECTION COMPANY

162 Wolfe Road • P.O. Box 3414 • Sunnyvale, California 94088-3414 • (408) 735-8700

Radioactive Source Leak Test

Report Number 4

SGS INDUSTRIAL SERVICES
MADE FOR: ATTN TOM W CUTHBERTSON
2506 DAVIS STREET
SAN LEANDRO CA 94577

PAGE: 1 of 1
PURCHASE ORDER #:
ACCOUNT #: 10138-00

The following sample submitted to Radiation Detection Company for analysis was collected on May 10, 1995.

RDC NO.	ISOTOPE	SOURCE		FACILITY	LOCATION	NANOCURIES*	
		ACTIVITY				ALPHA	BETA-GAMMA
166327	Am-241			HOBOKEN	STORAGE AREA	<0.001	
	Cs-137	<50 mCi					<0.01
	Co-60	5 Ci					<0.01

Grant Ceffalo
Laboratory Supervisor

05/31/95

SERVICE IS OUR PRODUCT

* Film and Thermoluminescent Dosimetry.

Instrument Calibrations • Radiation Surveys • Health Physics Consultation • Environmental Analyses

RADIATION SAFETY PROGRAM
SEALED SOURCES INVENTORY (QUARTERLY)

ASSIGNEE SGS DUE DATE 3/31/94
 LOCATION Hoboken N.J. QUARTER 1st 1994
 SPECIAL INSTRUCTIONS Not in Service
Devices in storage at the Hoboken office

	Source Material		Nuclear Gauge		Source	
	Cs 137/Am 241/Be or Ra 226/Be	Model	S/N	S/N	mCi	
1.	Cs 137/Am 241/Be	2401	3579	AC4843	10/50	
2.	Cs 137/Am 241/Be	2401	3144	AC5118	10/50	
3.	Cs 137/Am 241/Be	B(R)Mark II	C72081715	-	10/50	
4.	Cs 137/Am 241/Be	MCI Portaprobe	2003	(C400196A)	10/50	
5.						
6.						
7.						
8.						
9.						
10.						
11.		Exposure	Device			
12.	Co 60	151-H	C-718	Co 60	50	⑦

Remarks Not in use - storage only

Project Manager [Signature] Date 3/31/94

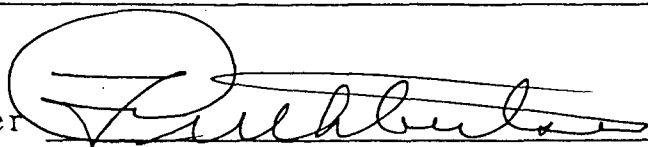
Note: See reverse side for instructions.

RADIATION SAFETY PROGRAM
SEALED SOURCES INVENTORY (QUARTERLY)

ASSIGNEE SGS DUE DATE 12/31/93
 LOCATION Hoboken N.J. QUARTER 4th 19 93
 SPECIAL INSTRUCTIONS Not in use
Devices in storage at the Hoboken office

	<u>Source Material</u>	<u>Nuclear Gauge</u>		<u>Source</u>	
	<u>Cs 137/Am 241/Be or Ra 226/Be</u>	<u>Model</u>	<u>S/N</u>	<u>S/N</u>	<u>mCi</u>
1.	<u>Cs 137/Am 241/Be</u>	<u>2401</u>	<u>3579</u>	<u>AC4843</u>	<u>10/50</u>
2.	<u>Cs 137/Am 241/Be</u>	<u>2401</u>	<u>3144</u>	<u>AC5118</u>	<u>10/50</u>
3.	<u>Cs 137/Am 241/Be</u>	<u>B(R)Mark II</u>	<u>C72081715</u>	<u>—</u>	<u>10/50</u>
4.	<u>Cs 137/Am 241/Be</u>	<u>Met Port probe</u>	<u>2003 (C400196A)</u>	<u>—</u>	<u>10/50</u>
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
6.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
11.	<u> </u>	<u>Exposure</u>	<u>Device</u>	<u> </u>	<u> </u>
12.	<u>Co 60</u>	<u>151-H</u>	<u>C-718</u>	<u>Co 60</u>	<u>5Ci</u>

Remarks Not in use - storage only

Project Manager  Date 1-4-94

Note: See reverse side for instructions.



SGS

SGS Industrial Services

RADIOACTIVE MATERIAL TRANSFER REPORT

Isotope Cs137 Source S/N AC4843 Curies 10/50 Mci Date May 9, 1995
Am241Be

EXPOSURE DEVICE ----- SOURCE CHANGER

Make Troxler Model 2401 Serial No. 3579

EXPOSURE DEVICE ----- SOURCE CHANGER

Make _____ Model _____ Serial No. _____

Transferred From NRC 042906701 To Ca 3451-60

Reason For Transfer:

New Source Requested Source Returning Malfunction or Damaged

Mechanical Defects or Malfunctions Sources being returned to San Leandro, Ca. for storage.

Shipment Prepared By R. Hardy Authorized By T. Cuthbertson

SHIPPING CONTAINER

Container shall be a "Type A" designed to meet with requirements of DOT

- 1. Shipping Container S/N N/A
- 2. Condition of Container Good
- 3. Labeled Danger Aircraft Only N/A
- 4. Package Certificate Affixed N/A
- 5. Labeled with Package Certificate (model or Identification No.) N/A
- 6. Labeled with "Radioactive Material Special Form N.O.S." Yes
- 7. Labeled "Type B" Type "A"
- 8. Shipping Label Affixed Yes
- 9. Radioactive Yellow Labels Affixed
Type of Label: Yellow II
Yellow III

SURVEY OF MATERIAL PRIOR TO SHIPMENT

Surface of Exposure Device/Changer 6 mR/hr (mSv/hr) At 40" (1 meter) .5
Surface of Shipping Container 4 mR/hr (mSv/hr) At 40" (1 meter) .5

SURVEY OF MATERIAL AS RECEIVED

Surface of Shipping Container 3 mR/hr (mSv/hr) At 40" (1 meter) .4
Surface of Exposure Device/Changer _____ mR/hr (mSv/hr) At 40" (1 meter) _____

Received 5/28/95



SGS Industrial Services

RADIOACTIVE MATERIAL TRANSFER REPORT

Isotope Cs137 Source S/N AC5118 Curies 10/50Mci Date May 9, 1995
AM241Be

EXPOSURE DEVICE ----- SOURCE CHANGER

Make Troxler Model 2401 Serial No. 3144

EXPOSURE DEVICE ----- SOURCE CHANGER

Make _____ Model _____ Serial No. _____

Transferred From NRC 042906701 To Ca 3451-60

Reason For Transfer:

New Source Requested Source Returning Malfunction or Damaged

Mechanical Defects or Malfunctions Sources being returned to San Leandro, Ca. for storage.

Shipment Prepared By R. Hardy Authorized By T. Cuthbertson

SHIPPING CONTAINER

Container shall be a "Type A" designed to meet with requirements of DOT

- | | |
|--|---|
| 1. Shipping Container S/N <u>N/A</u> | 6. Labeled with "Radioactive Material Special Form N.O.S." <u>Yes</u> |
| 2. Condition of Container <u>Good</u> | 7. Labeled "Type B" <u>Type "A"</u> |
| 3. Labeled Danger Aircraft Only <u>N/A</u> | 8. Shipping Label Affixed <u>Yes</u> |
| 4. Package Certificate Affixed <u>N/A</u> | 9. Radioactive Yellow Labels Affixed |
| 5. Labeled with Package Certificate (model or Identification No.) <u>N/A</u> | Type of Label: Yellow II <input checked="" type="checkbox"/>
Yellow III <input type="checkbox"/> |

SURVEY OF MATERIAL PRIOR TO SHIPMENT

Surface of Exposure Device/Changer 6 mR/hr (mSv/hr) At 40" (1 meter) .5
Surface of Shipping Container 4 mR/hr (mSv/hr) At 40" (1 meter) .5

SURVEY OF MATERIAL AS RECEIVED

Surface of Shipping Container 3 mR/hr (mSv/hr) At 40" (1 meter) .4
Surface of Exposure Device/Changer _____ mR/hr (mSv/hr) At 40" (1 meter) _____

Received 5/28/95

Shipping Container



SGS Industrial Services

RADIOACTIVE MATERIAL TRANSFER REPORT

Isotope Cs137 Source S/N C400196A Curies 10/50Mci Date May 9, 1995
AM241Be

EXPOSURE DEVICE ----- SOURCE CHANGER

Make CPN Model MCI Portaprobe Serial No. 2003

EXPOSURE DEVICE ----- SOURCE CHANGER

Make _____ Model _____ Serial No. _____

Transferred From NRC 042906701 To Ca 3451-60

Reason For Transfer:

New Source Requested Source Returning Malfunction or Damaged

Mechanical Defects or Malfunctions Sources being returned to San Leandro, Ca. for storage.

Shipment Prepared By R. Hardy Authorized By T. Cuthbertson

SHIPPING CONTAINER

Container shall be a "Type A" designed to meet with requirements of DOT

- | | |
|--|---|
| 1. Shipping Container S/N <u>N/A</u> | 6. Labeled with "Radioactive Material Special Form N.O.S." <u>Yes</u> |
| 2. Condition of Container <u>Good</u> | 7. Labeled "Type B" <u>Type "A"</u> |
| 3. Labeled Danger Aircraft Only <u>N/A</u> | 8. Shipping Label Affixed <u>Yes</u> |
| 4. Package Certificate Affixed <u>N/A</u> | 9. Radioactive Yellow Labels Affixed |
| 5. Labeled with Package Certificate (model or Identification No.) <u>N/A</u> | Type of Label: Yellow II <input checked="" type="checkbox"/>
Yellow III <input type="checkbox"/> |

SURVEY OF MATERIAL PRIOR TO SHIPMENT

Surface of Exposure Device/Changer 4 mR/hr (mSv/hr) At 40" (1 meter) .5
Surface of Shipping Container 4 mR/hr (mSv/hr) At 40" (1 meter) .5

SURVEY OF MATERIAL AS RECEIVED

Shipping Container

Surface of Shipping Container 3 mR/hr (mSv/hr) At 40" (1 meter) .4
Surface of Exposure Device/Changer _____ mR/hr (mSv/hr) At 40" (1 meter) _____

Received 5/28/95



SGS

SGS Industrial Services

RADIOACTIVE MATERIAL TRANSFER REPORT

Isotope Cs137 Source S/N C72081715 Curies 10/50Mci Date May 9, 1995
AM241Be

EXPOSURE DEVICE ----- SOURCE CHANGER

Make _____ Model _____ Serial No. _____

EXPOSURE DEVICE ----- SOURCE CHANGER

Make CPN Model B(r) MarkII Serial No. C72081715

Transferred From NRC 042906701 To Ca 3451-60

Reason For Transfer:

New Source Requested Source Returning Malfunction or Damaged

Mechanical Defects or Malfunctions Sources being returned to San Leandro, Ca. for storage.

Shipment Prepared By R. Hardy Authorized By T. Cuthbertson

SHIPPING CONTAINER

Container shall be a "Type A" designed to meet with requirements of DOT

- | | |
|--|---|
| 1. Shipping Container S/N <u>N/A</u> | 6. Labeled with "Radioactive Material Special Form N.O.S." <u>Yes</u> |
| 2. Condition of Container <u>Good</u> | 7. Labeled "Type B" <u>Type "A"</u> |
| 3. Labeled Danger Aircraft Only <u>N/A</u> | 8. Shipping Label Affixed <u>Yes</u> |
| 4. Package Certificate Affixed <u>N/A</u> | 9. Radioactive Yellow Labels Affixed |
| 5. Labeled with Package Certificate (model or Identification No.) <u>N/A</u> | Type of Label: Yellow II <input checked="" type="checkbox"/>
Yellow III <input type="checkbox"/> |

SURVEY OF MATERIAL PRIOR TO SHIPMENT

Surface of Exposure Device/Changer 4 mR/hr (mSv/hr) At 40" (1 meter) .5
Surface of Shipping Container 4 mR/hr (mSv/hr) At 40" (1 meter) .5

SURVEY OF MATERIAL AS RECEIVED

Surface of Shipping Container 3 mR/hr (mSv/hr) At 40" (1 meter) .4 *Shipping Container*
Surface of Exposure Device/Changer _____ mR/hr (mSv/hr) At 40" (1 meter) _____

Received 5/28/95

ROADWAY EXPRESS, INC. P.O. BOX 471, AKRON, OH 44309-0471 (RDWY) (EIN 34-0492670)				GR
RDWY P/U DATE	DESTINATION	RATE CODE	ITEM/TENDER NO.	PAGE
05-11-95	811-1	/A2	507	01 OF 01
PO NO./DEPT NO.				BEY C/L CODE

PRO
NO



SHIPPER	UNITED STATES TESTING 1415 PARK AVE HOBOKEN NJ 07030	SHPR CODE 0673	BEY C/L AMT
	CONSIGNEE SGS 2506 DAVIS ST SAN LEANDRO CA 94577		CONS CODE

ALL FREIGHT HAS BEEN RECEIVED IN GOOD ORDER UNLESS NOTED BELOW. PLEASE ENTER YOUR SIGNATURE AND DATE IN YELLOW BLOCK. THANK YOU! ROADWAY EXPRESS, INC.

PLEASE SIGN HERE DATE

[Signature]

SHIPMENTS

B/L OR GBL NO.	INVOICE NO.	UNITED STATES TESTING 1415 PARK AVE HOBOKEN NJ 07030
2215		
HAZARDOUS MAT		
PRO 111-579123-4		

CHARGEABLE

NO. PIECES	PKG	HM	DESCRIPTION OF ARTICLES	CODE	WEIGHT (LB)	RATE	CHARGES
1	CRT	X	***METRO SHIPMENT*** RADIOACTIVE MATERIAL SPECIAL FORM NDS, 7, UN 2974 (RAM) RADIOACTIVE YELLOW II LABEL TRANSPORT INDEX-5MR USA DOT 7A TYPE A PACKAGE NMFC=16490003 CLC200	C200	510		
1	TTL	////	FOR EMERGENCY CONTACT 510-562-7658	TTL	510		PPD

CONSIGNEE'S COPY				ADV C/L	C/L P/U DATE	ADV C/L FRT BILL NO.	ADV C/L AMT	DUE FM ADV C/L
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REORDER FROM: THE STREAMLINERS—Box 480, Mechanicsburg, Pa. 17055

STRAIGHT BILL OF LADING — SHORT FORM — ORIGINAL — NOT NEGOTIABLE
RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Shipper's No. * 2215

(Name of Carrier) Carrier's No.

At Hoboken, N. J. (SCAC) 5/10 1995 From UNITED STATES TESTING COMPANY, INC.

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unmarked), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ON COLLECT ON DELIVERY SHIPMENTS THE LETTERS "COD" MUST APPEAR BEFORE CONSIGNEE'S NAME -- OR AS OTHERWISE PROVIDED IN ITEM 430, SEC. 1.

CONSIGNEE SGS Mail or street address SAME
TO AND 2506 DAVIS ST. of Consignee
DESTINATION SAN LEANDRO, CA. 94577 for purposes of
Route _____ Delivery Address* _____ notification only

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier		Car or Vehicle Initials		No.	
No. Packages	* HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	X	RADIOACTIVE MATERIAL SPECIAL FORM NOS UN2974 CS-13740MCI AM 241BE 200 MCI RADIOACTIVE YELLOW II LABEL TRANSPORT INDEX .5MR USA DOT 7A TYPE "A" PACKAGE	510		

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Collect On Delivery and remit to \$ _____ C. O. D. Charge to be paid by Shipper Consignee Charges Advanced: \$ _____

FOR SHIPMENT STATUS CALL 1-800-ROADWAY by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. If the NOTE: The age of the property is hereby specifically stated by the shipper to be not exceeding per _____

* "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 1 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification." * Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

IN CASE OF EMERGENCY CONTACT: T. CUMMINGS
510-562-7658

"This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."

UNITED STATES TESTING COMPANY, INC. Shipper
1415 Park Ave., Hoboken, N.J. Per _____

Agent _____ Per _____

5.11.95

Permanent post-office address of shipper. * MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF FEDERAL REGULATIONS.