SOLUTIA
Applied Chemistry, Creative Solutions

Solutia Inc.
5045 W. Jefferson Avenue
Trenton, Michigan 48183
Tel 734-671-4670

August 5, 2009

To: Materials Licensing Section
US Nuclear Regulatory Commission Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

From: Steve Szekely, RSO
Solutia Inc. Trenton Plant
5045 West Jefferson
Trenton, Michigan 48183
Phone: (734)-671-4644
Email: sjszek@solutia.com

This letter is to confirm the request for termination of license #21-05103-02, docket # 030-04831, which expires on 4/30/15.

Our Saflex Plant, which had all of the radioactive gauges used on site, has been closed. All devices have been removed and either disposed of or transferred to another Solutia plant.

Appropriate surveys and testing have been performed and the attached binder contains all relevant information verifying that appropriate measures have been taken.

If you should have any questions or need further information please contact me.

Best regards,

Steve Szekely
RSO
Solutia Inc.
Trenton Michigan Plant

NRC FORM 314 (4-2008)
10 CFR 30.36(j)(1), 40.42(j)(1), 70.38(j)(1), and 72.54(k)(5)(1)(1)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028 EXPIRES: 08/31/2010

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS	LICENSE NUMBER	DOCKET NUMBER
Solutia Inc. 5045 West Jefferson Trenton Michigan 48183	21-05103-02	030-04831
	LICENSE EXPIRATION DATE: 4/30/15	

A. LICENSE STATUS *(Check the appropriate box)*

☐ This license has expired. ☒ This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.

☒ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.

☒ a. Transfer of radioactive materials to the licensee listed below:

☒ b. Disposal of radioactive materials:

☐ 1. Directly by the licensee:

☒ 2. By licensed disposal site:

☐ 3. By waste contractor:

☒ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

☒ 1. A radiation survey was conducted by the licensee. The survey confirms:

☒ a. the absence of licensed radioactive materials

☒ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.

☒ 2. A copy of the radiation survey results: See Manual Provided

☒ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: _____ Date

☐ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and

☐ a. The results of the latest leak test are attached; and/or ☐ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Steve Szekely	ESH Lead	734-671-4614	SJSzek@Solutia.com

Mail all future correspondence regarding this license to: 5045 West Jefferson Trenton Michigan 48183

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
Steve Szekely, ESH Lead		8/4/09

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 RESPECT. 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.

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U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

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, 36, 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 the letter dated **March 13, 2008,** and the facsimile letter dated **May 14, 2008,**
1. Solutia, Inc.	3. License number 21-05103-02
2. 5045 West Jefferson Avenue Trenton, MI 48183	4. Expiration date April 30, 2015
	5. Docket No. 030-04831 Reference No.

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. Cesium-137	A. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.	A. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State. **Total activity 4 Curies.**
B. Strontium-90	B. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.	B. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State. **Total activity 250 millicuries**

9. Authorized use:

A. For use in Ohmart Corporation Models SH-100 and HM-8 and Texas Nuclear Models 5036, 5200, 5205, 5206 and 5195, source holders for level detection/measurements.

B. For possession and use in LFE Corporation Model SCL-1C and Honeywell International, Inc. (formerly Measurex) Model 2201 source holders for thickness measurements.

NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
21-05103-02

Docket or Reference Number
030-04831

Amendment No. 40

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 5045 West Jefferson Avenue, Trenton, Michigan.

11. Licensed material shall be used by, or under the supervision of individuals who have received the training described in the letter dated April 15, 2005 (with attachments). The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

12. A. The Radiation Safety Officer (RSO) for this license is Stephen J. Szekely.

    B. The Assistant Radiation Safety Officer for this license is Reino L. Jokela.

    C. Before assuming the duties and responsibilities as RSO for this license, future RSOs shall have successfully completed one of the training courses described in Criteria in Section 8.7.1 of NUREG-1556, Volume 4, dated October 1998.

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State.

    B. Notwithstanding Paragraph A of this condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

    C. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

    D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material.

    E. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

G. Tests for leakage an/or contamination, limited to leak test sample collection shall be performed by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis. Analysis of leak test samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.

14. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.

15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

16. A. Each gauge shall be tested for the proper operation of the on-off mechanism (shutter) and indicator, if any, at intervals not to exceed 6 months or at such longer intervals as specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or the equivalent regulations of an Agreement State.

B. Notwithstanding the periodic on-off mechanism (shutter) and indicator test, the requirement does not apply to gauges that are stored, not being used, and have the shutter lock mechanism in a locked position. The gauges exempted from this periodic test shall be tested before use.

17. A. Installation, initial radiation surveys, relocation, removal from service, dismantling and alignment shall be performed only by, Stephen J. Szekely, Reino L. Jokela or by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

B. The following services shall not be performed by the licensee: replacement, disposal of the sealed sources and non-routine maintenance or repair of components related to the radiological safety of the gauge. These services shall be performed only by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
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18. A. The licensee may maintain, repair, or replace device components that are not related to the radiological safety of the device containing byproduct material and that do not result in the potential for any portion of the body to come into contact with the primary beam or in increased radiation levels in accessible areas.

    B. The licensee may not maintain, repair, or replace any of the following device components: the sealed source, the source holder, source drive mechanism, on-off mechanism (shutter), shutter control, or shielding, or any other component related to the radiological safety of the device, except as provided otherwise by specific condition of this license.

19. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above, and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the U.S. Regulatory Commission or an Agreement State.

20. The licensee shall operate each device containing licensed material within the manufacturer's specified temperature and environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.

21. The licensee shall assure that the shutter mechanism of each device is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify, as appropriate, its "lock-out" procedures whenever a new device is obtained to incorporate the device manufacturer's recommendations.

22. Except for maintaining labelling as required by 10 CFR Part 20, or 71, the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission before making any changes in the sealed source, device or source-device combination that would alter the description or specifications as indicated in the respective certificate of registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.

23. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

24. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
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25. 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 U.S. 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 dated October 25, 2004 (excluding Attachment C); and

B. Letters dated October 26, 2004,April 15, 2005 (with attachments), and **March 13, 2008,** and;

C. **Facsimile letter dated May 14, 2008.**

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 16 2008

By William P. Reichhold
William P. Reichhold
Materials Licensing Branch
Region IIII

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

MAY 16 2008

Stephen J. Szekely
Radiation Safety Officer
Solutia, Inc.
5045 West Jefferson Avenue
Trenton, MI 48183

Dear Mr. Szekely:

Enclosed is Amendment No. 40 to your NRC Material License No. 21-05103-02 in accordance with your request. Please note that the major changes made to your license are printed in bold font.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

2. Notify NRC, in writing, within 30 days:

   a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or

   b. When the mailing address listed on the license changes.

3. In accordance with 10 CFR 30.36(d) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:

   a. When you decide to terminate all activities involving materials authorized under the license; or

   b. If you decide not to complete the facility, acquire equipment, or possess and use authorized material.

4. Request and obtain a license amendment before you:

   a. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;

b. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or

c. Change ownership of your organization.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions.
Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Also, please note, we have marked your license as "Official Use Only - Security-Related Information" as required by NRC Regulatory Issue Summary 2005-31. NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system. Pursuant to NRC's RIS 2005-31 and in accordance with 10 CFR 2.390, the enclosed license document is exempt from public disclosure because its disclosure to unauthorized individuals could present a security vulnerability. The RIS may be located on the NRC Web site at: http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf and the link for frequently asked questions regarding protection of security related sensitive information may be located at: http://www.nrc.gov/reading-rm/sensitive-info/faq.html.
A copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Sincerely,

William P. Reichhold

William P. Reichhold
Materials Licensing Branch

License No. 21-05103-02
Docket No. 030-04831

Enclosure: Amendment No. 40

Solutia Inc. - Trenton Plant (nuclear gauges - Descriptions)

TRN #	*isotope*	*Activity*	*Manufacturer*	*Holder Serial #*	*Source Serial #*	*Location*	*Model #*	*Use Description*
18	Cs-137	2000	Ohmart	NA	60891	FEED BLENDER; NORTH SIDE BOTTOM; 1ST FLOOR	HM-8	Low Level of PVB Pre-mix in Blender
19	Cs-137	500	Ohmart	NA	60665	REWORK BLENDER (LOWER WEST SIDE); 2ND FLOOR	HM-8	Low Level of PVB Rework in Blender
20	Cs-137	500	Ohmart	NA	60667	REWORK BLENDER (UPPER WEST SIDE); 2ND FLOOR	HM-8	High Level of PVB Rework in Blender
30	Cs-137	10	Ohmart	NA	72255	TRIM CYCLONE (ON FEED BLENDER); 2ND FLOOR	SH-100	PVB Rework Pluggage Present in Cyclone Hopper
32	Cs-137	20	Texas Nuclear	B52	MS099	FEED HOPPER (ABOVE EXTRUDER); 1ST FLOOR	5195	Continuous Level Measurement of PVB Pre-mix in Feed Hopper
35	Cs-137	20	Texas Nuclear	B-213	GV-1393	OFR BLENDER (UPPER NORTH SIDE); 1ST FLOOR	5205	High Level in Off Formula PVB Rework in Blender
36	Cs-137	20	Texas Nuclear	B-952	GV-1289	OFR CYCLONE (ON FEED BLENDER); 2ND FLOOR	5200	PVB Rework Pluggage Present in Cyclone Hopper
37	Cs-137	20	Texas Nuclear	B-953	GV-1306	BULK SCRAP CYCLONE (ON REWORK BLENDER) 2ND FLOOR	5200	PVB Rework Pluggage Present in Cyclone Hopper
38	Cs-137	20	Texas Nuclear	B-951	GV-1305	BULK SCRAP CYCLONE (ON OFR BLENDER); 1ST FLOOR	5200	PVB Rework Pluggage Present in Cyclone Hopper
45	Sr-90	100	LFE	S2-A2	1345	Saflex Lab	SCL-1C	PVB Sheet Thickness Measurement
46	Cs-137	200	Texas Nuclear	B-130	GG-4291	REWORK CONVEYOR (BELOW REWORK BLENDER); 2ND FLOOR	5036	Bulk Density and Weight of PVB Rework on Screw Conveyor

Solutia Inc. - Trenton Plant (nuclear gauges - Descriptions)

TRN #	*isotope*	*Activity*	*Manufacturer*	*Holder Serial #*	*Source Location Serial #*	*Model #*	*Use Description*	
47	Cs-137	20	Texas Nuclear	B-489	GV-1041	RESIN SURGE BIN #2 (UPPER WEST SIDE); NORTH ROOF LEVEL -- SUPER STRUCTURE	5205	High and Low Levels of Resin in Storage Bin
48	Cs-137	20	Texas Nuclear	B-1679	GV-2527	ROLL WASH CYCLONE (On rework blender 2nd floor)	5200	High and Low Levels of Resin in Cyclone
51	Cs-137	10	Texas Nuclear	B-2753	GV-2859	ROLLWASH CYCLONE (ON OFR BLENDER); 1ST FLOOR	5205	PVB Rework Pluggage Present in Cyclone Hopper
52	Cs-137	10	Texas Nuclear	B-2754	GV-5188	TRIM BOX CYCLONE (roof over Ref. Annex)	5205	High and Low Levels of Resin in Storage Bin
53	Sr-90	50	Measurex General License	NA	1025BG	MEASUREX (IN SHEET PATH HOUSING); 1ST FLOOR	2201	PVB Sheet Thickness Measurement
54	Cs-137	10	OMART/VEGA	NA	3097CM	RESIN SURGE BIN #1 (UPPER WEST SIDE) NORTH ROOF LEVEL -- SUPER STRUCTURE	SH-F1A	High/Low Levels of Resin in Storage Bin
55	Cs-137	10	OMART/VEGA	NA	LR589	RESIN SURGE BIN #1 (LOWER WEST SIDE) NORTH ROOF LEVEL -- SUPER STRUCTURE	SH-F1A	High/Low Levels of Resin in Storage Bin
56	Cs-137	10	OMART/VEGA	NA	4220CM	RESIN SURGE BIN #2 (LOWER WEST SIDE); NORTH ROOF LEVEL -- SUPER STRUCTURE	SH-F1A	High/Low Levels of Resin in Storage Bin

Ohmart/VEGA Corp.

4241 Allendorf Drive
Cincinnati, OH 45209
Phone (513) 272-0131 Fax (513) 272-0133

Leak Test Report

550
sjszek@solutia.com E-mail

Customer Information: JaNay Newton/Steve Szekely
Solutia, Inc.
5045 West Jefferson
Trenton, MI 48183

Analyzed By: Aaron Tiernan
Equipment #: NS-0095
Calibration Due: 7/23/2009
Analysis Date: 5/19/2009
Sources Analyzed: 18

OAC - 3701:1-38-24

(E) A sealed source shall be considered to be leaking if the presence of one hundred eighty-five becquerels (0.005 microcurie) or more of removable contamination on any test sample is identified.

Serial #	Isotope	mCi	Source Holder	Customer Tag #	Test Result	Test Date	Test Interval	Next Test Due
1345	Sr-90	100	S1F.D1		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
60665	Cs-137	500	HM-8	#19 - Rework Blender	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
60667	Cs-137	500	HM-8	#20 - Rework Blender	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
60891	Cs-137	2000	HM-8	#18 - Feed Blender	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
72255	Cs-137	10	SH-100	#30 - Trim Cyclone	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B52	Cs-137	20	5195	#32 - Feed Hopper	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
LR589	Cs-137	20	SH-F1A	#55 - Resin #1	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
3097CM	Cs-137	20	SH-F1A	#54 - Resin Storage Bin	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
4220CM	Cs-137	20	SH-F1A	#56 - Resin #2	< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B2753	Cs-137	10	5200		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B951	Cs-137	20	5200		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B213	Cs-137	100	5205		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B1679	Cs-137	20	5200		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B952	Cs-137	20	5200		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B489	Cs-137	20	5205		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B953	Cs-137	20	5200		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012
B2754	Cs-137	10	5200		< 0.005 (µCi)	5/13/2009	3 Years	5/13/2012

OAC - 3701:1[redacted]24

(E) A sealed source shall be considered to be leaking if the presence of one hundred eighty-five becquerels (0.005 microcurie) or more of removable contamination on any test sample is identified.

Serial #	Isotope	mCi	Source Holder	Customer Tag #	Test Result	Test Date	Test Interval	Next Test Due
B130	Cs-137	200	5036		< 0.005 (μCi)	5/13/2009	3 Years	5/13/2012

Ohmart/VEGA's leak test analysis is done per work instruction 450-03-005 in compliance with Ohio ODH License # 03214310002.

Aaron Turner — Analyzed By

5/19/09 — Analyze Date

Reviewed By

5/19/09 — Review Date

HONEYWELL INTERNATIONAL
3079 Premiere Parkway
Suite 100 (GA01)
Duluth, GA 30097
(602) 313-3330

28-Jul-09

To: Curtis H. Willis
Solutia
730 Worcester Street
(Reference Bldg. 136)
Springfield, MA 01151

CC: File
Webpage

From: Debbie Price

Re: Results of Radiation Safety Tests of Sensors at Site Number: 3736

Honeywell System No.	Source Model	Source S/N	Source	X-Ray Present	X-Ray Model
4275	2201	1025BG	Sr-90	No	
7993	2201	0264BG	Sr-90	No	
13370	2201	0112BG	Sr-90	No	

Date of test: April 29, 2009 Test Performed by: Dave Fairbanks

A test for leakage of radioactive material was performed on the devices containing Sr-90, Pm-147, Cs-137, Am-241 and/or Fe-55 listed above. The sources had no removable contamination in excess of 0.005 microcuries according to the analysis performed by Radiation Safety Engineering. Devices containing Kr-85 need not be tested.

The radiation warning lights and/or indicators, shutters (on/off) mechanism, and applicable radiation safety interlocks were tested and found to be functioning correctly on the date of this test. Labels were found to be legible.

This test was performed in accordance with the provisions of Honeywell Specific License Number GA-832-1, issued by the State of Georgia. This notice should be kept in site records and be available for review by radiation regulatory authorities.

Contact the Honeywell representative or the Honeywell Radiological Operations office for additional information regarding this test.

Question 19: Unable to locate Safety Shield.

System 5277 (now 4275) has been decommissioned. Basis Weight source was removed and shipped to Solutia facility in Springfield, MA.

LEAK TEST AND SOURCE HOLDER REPORT

OHMART VEGA

Field Service Order Number: 6109753-6841

Customer P.O. Number: 4503811259

Customer: SOLUTIA TRENTON

Address: 5045 W Jefferson

Trenton, MI 48183

Attn: Stephen Szekely

TESTED BY S. Conway DATE 13-May-09

RSO Stephen Szekely

PHONE NO. (734) 671-4644

FAX NO. (734) 671-4537

E-MAIL sjszek@solutia.com

A SOURCE THAT TESTS OKAY HAS REMOVABLE CONTAMINATION OF LESS THAN 0.005 MICROCURIES

WIPE NO.	SHOP ORDER	ISOTOPE	SERIAL #	mCi	SOURCE HOLDER	SHIP DATE	CUSTOMER SOURCE #	LEAK TEST PERFORMED	LEAK TEST RESULTS	SHUTTER OPERATION	HOLDER CONDITION	TAG CONDITION
1	TN	Cs-137	B2754	10	5200	Apr-92		YES		Locked	Slight Rust/Corrosion	Legible
2	TN	Cs-137	B130	200	5036	Jan-89		YES		Locked	Slight Rust/Corrosion	Legible
3		Sr-90	1345	100	S1F.D1	Sep-88		Yes		N/A	No Rust/Corrosion	Legible
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Leak Test Frequency ☐ 6 months ☐ Yearly ☐ Every 3 years ☐ Other _____

LEAK TEST AND SOURCE HOLDER REPORT

OHMART VEGA

Field Service Order Number: 6109753-6841

Customer P.O. Number: 4503811259

Customer: SOLUTIA TRENTON

Address: 5045 W Jefferson

Trenton, MI 48183

Attn: Stephen Szekely

TESTED BY S. Conway DATE 13-May-09

RSO Stephen Szekely

PHONE NO. (734) 671-4644

FAX NO. (734) 671-4537

E-MAIL sjszek@solutia.com

A SOURCE THAT TESTS OKAY HAS REMOVABLE CONTAMINATION OF LESS THAN 0.005 MICROCURIES

WIPE NO.	SHOP ORDER	ISOTOPE	SERIAL #	mCi	SOURCE HOLDER	SHIP DATE	CUSTOMER SOURCE #	LEAK TEST PERFORMED	LEAK TEST RESULTS	SHUTTER OPERATION	HOLDER CONDITION	TAG CONDITION
1	44165-2	Cs-137	60891	2000	HM-8	Sep-69		YES		Locked	Slight Rust/Corrosion	Legible
2	41165-3	Cs-137	60665	500	HM-8	Sep-69		YES		Locked	Slight Rust/Corrosion	Legible
3	201009055	Cs-137	72255	10	SH-100	Oct-82		YES		Locked	Slight Rust/Corrosion	Legible
4	MI04-020-6571	Cs-137	LR589	20	SH-F1A-45	Nov-09		YES		Locked	Slight Rust/Corrosion	Legible
5	MI04-020-6571	Cs-137	4220CM	20	SH-F1A-45	Nov-09		YES		Locked	Slight Rust/Corrosion	Legible
6	MI04-020-6571	Cs-137	3097CM	20	SH-F1-45	Nov-09		YES		Locked	Slight Rust/Corrosion	Legible
7	41165-4	Cs-137	60667	500	HM-8	Sep-69		YES		Locked	Slight Rust/Corrosion	Legible
8	TN	Cs-137	B2753	10	5200	May-89		YES		Locked	Slight Rust/Corrosion	Legible
9	TN	Cs-137	B951	20	5200	Feb-86		YES		Locked	Slight Rust/Corrosion	Legible
10	TN	Cs-137	B52	20	5195	Jun-83		YES		Locked	Slight Rust/Corrosion	Legible
11	TN	Cs-137	B213	100	5205	Feb-86		YES		Locked	Slight Rust/Corrosion	Legible
12	TN	Cs-137	B1679	20	5200	Feb-89		YES		Locked	Slight Rust/Corrosion	Legible
13	TN	Cs-137	B952	20	5200	Jun-86		YES		Locked	Slight Rust/Corrosion	Legible
14	TN	Cs-137	B489	20	5205	May-84		YES		Locked	Slight Rust/Corrosion	Legible
15	TN	Cs-137	B953	20	5200	Jun-86		YES		Locked	Slight Rust/Corrosion	Legible

Leak Test Frequency ☐ 6 months ☐ Yearly ☐ Every 3 years ☐ Other _____

STRAIGHT BILL OF LADING - SHORT FORM

ORIGINAL - NOT NEGOTIABLE

____ of ____

_____ (Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From:

Company SOLUTIA TRENTON

Address: 5045 W Jefferson
Trenton, MI 48183

The property described below, in apparent good order, except as noted (content and condition of contents of packages unknown), 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 of said property 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 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 classifications 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 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

Consigned to **QSA - Global**
Destination **6765 Langley Dr.; Baton Rouge, La 70809**
Route

No. Pkg.	H/M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Cor.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label
1of3	RQ	**UN 3332, RADIOACTIVE MATERIAL,TYPE A PACKAGE, SPECIAL FORM ,7** **1 Crate STC 1 Cask of Radioactive Material**	400	Cs-137	74 GBq 2000 mCi	0.5	Yellow II
2of3	X	**UN 3332, RADIOACTIVE MATERIAL,TYPE A PACKAGE, SPECIAL FORM ,7** **1 Pallet STC 4 Casks of Radioactive Material**	600	Cs-137	20.72 GBq 560 mCi	0.6	Yellow II
3of3	X	**UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7** **1 Pallet STC 4 Casks of Radioactive Material**	650	Cs-137	27.01 GBq 730 mCi	0.9	Yellow II

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 applicable regulations of the Department of Transportation.

24 Hour Emergency Contact: (313) 702-6260

Third Party Bill To:

SHIPPER'S REF. NO. **6109753-6841**
MATERIAL RETURN AUTHORIZATION NO. **6959**

Prepaid ☑

Collect ☐

SIGNATURE OF PERSON PREPARING THE SHIPMENT _____

NAME OF SHIPPER/OWNER **Rick Turigliatto** **RECEIVED BY** _____

Permanent post office address of shipper: **5045 W Jefferson**
Trenton, MI 48183

Received date _____

Shipper's Signature _____

Date signed _____

STRAIGHT BILL OF LADING - SHORT FORM

____ of ____

ORIGINAL - NOT NEGOTIABLE

_____ (Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From:

Company SOLUTIA TRENTON

Address: 5045 W Jefferson
Trenton, MI 48183

The property described below, in apparent good order, except as noted (content and condition of contents of packages unknown), 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 of said property 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 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 classifications 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 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

Consigned to **ThermoFisher Scientific**
Destination **1410 Gillingham Lane; Sugar Land, Tx 77478-2890**
Route _____

No. Pkg.	H/M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Cor.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label
1of1	X	**UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7** **1 Pallet STC 8 Casks of Radioactive Material**	350	Cs-137	8.14 GBq 220 mCi	0.3	Yellow II

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 applicable regulations of the Department of Transportation.

24 Hour Emergency Contact: (313) 702-6260

Third Party Bill To:

SHIPPER'S REF. NO. **6109753-6841**
MATERIAL RETURN AUTHORIZATION NO. **31139**

Prepaid ☑
Collect ☐

SIGNATURE OF PERSON PREPARING THE SHIPMENT _____

NAME OF SHIPPER/OWNER **Rick Turigliatto** **RECEIVED BY** _____

Permanent post office address of shipper: **5045 W Jefferson**
Trenton, MI 48183

Received date _____

Shipper's Signature _____ **Date signed** _____

STRAIGHT BILL OF LADING - SHORT FORM

____ of ____

ORIGINAL - NOT NEGOTIABLE

_____ (Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From:

Company SOLUTIA TRENTON

Address: 5045 W Jefferson
Trenton, MI 48183

The property described below, in apparent good order, except as noted (content and condition of contents of packages unknown), 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 of said property 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 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 classifications 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 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

Consigned to **Solutia, Inc.; Atten: Curt Willis, RSO**
Destination **730 Worcester St.; Springfield, Ma 01151**
Route

No. Pkg.	H/M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Cor.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label
1of1	X	**UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7** **1 Crate STC 1 Cask of Radioactive Material**	350	Sr-90	3.7 GBq 100 mCi	0.2	Yellow II

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 applicable regulations of the Department of Transportation.

24 Hour Emergency Contact: (313) 702-6260

Third Party Bill To:

SHIPPER'S REF. NO. **6109753-6841**
MATERIAL RETURN AUTHORIZATION NO. **N/A**

Prepaid ☑
Collect ☐

SIGNATURE OF PERSON PREPARING THE SHIPMENT _____

NAME OF SHIPPER/OWNER **Rick Turigliatto** **RECEIVED BY** _____

Permanent post office address of shipper: **5045 W Jefferson**
Trenton, MI 48183

Received date _____

Shipper's Signature _____ **Date signed** _____

ECO NUMBER	SYM	REVISION	BY	DATE
	1	CHANGE SURFACE	JESSE	11/3/10

F.S. # 6109753-6841

MRA # 6959

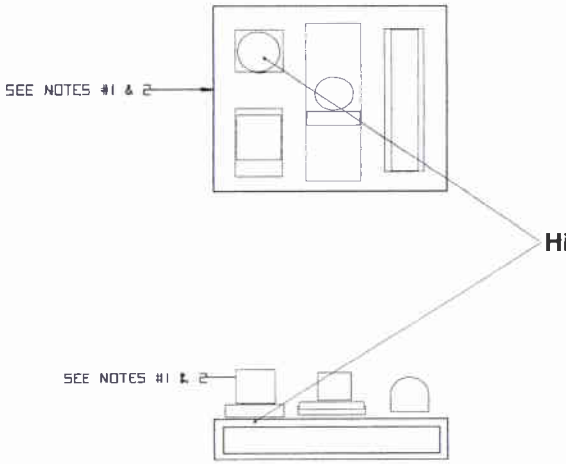
SKID # 3 of 3

HIGHEST SURFACE FIELD (SEE NOTE #3) 32 mR

TRANSPORT INDEX (SEE NOTE #3) 0.9

SOURCE HOLDER(S) PACKED ON SKID 4

IN BOX N/A



#1 SO/CO # 41165-3
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL HM-8
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 500 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 60665
ORIGINAL SHIP DATE Sep-69
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # 201009055
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-100
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 10 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 72255
ORIGINAL SHIP DATE Oct-82
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5036
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 200 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B130
ORIGINAL SHIP DATE Jan-89
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5195
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B52
ORIGINAL SHIP DATE Jun-83
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 32 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:

1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

OHMART # OF NUMBER

DRAWING NUMBER 56508

OHMART

4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

QUANTITY	Date To Tech	Date To Cust	C-56508

ECO NUMBER	SYM	REVISION	BY	CHK
	1	CHANGES TO TEXT	JESSE	

F.S. # 6109753-6841

MRA # 6959

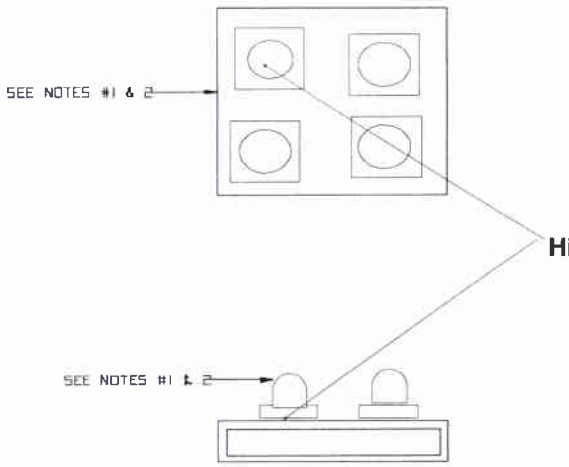
SKID # 2 of 3

HIGHEST SURFACE FIELD (SEE NOTE #3) 14 mR

TRANSPORT INDEX (SEE NOTE #3) 0.6

SOURCE HOLDER(S) PACKED ON SKID 4

IN BOX N/A



Highest Field

#1 SO/CO # SO-41165-4
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL HM-8
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 500 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 60667
ORIGINAL SHIP DATE Sep-69
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # MI04-020-6571
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-F1A-45
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # LR589
ORIGINAL SHIP DATE Nov-04
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # MI04-020-6571
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-F1A-45
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 3097CM
ORIGINAL SHIP DATE Nov-04
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # MI04-020-6571
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-F1A-45
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 4220CM
ORIGINAL SHIP DATE Nov-09
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 14 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

OHMART S/P NUMBER
DRAWING NUMBER 56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

C-56508

ECO NUMBER	BY/M	REVISION	BY	CK
	1			

F.S. # 6109753-6841

MRA # 6959

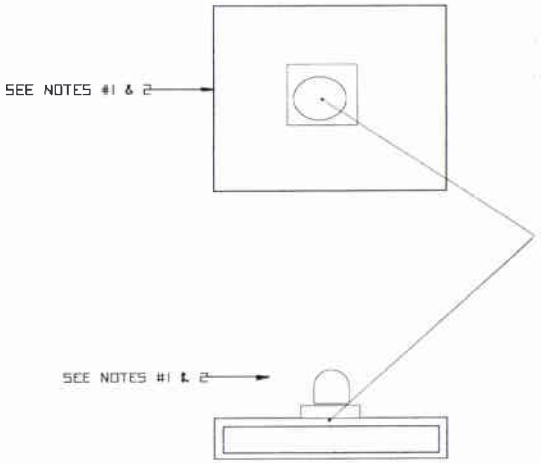
SKID # 1 of 3

HIGHEST SURFACE FIELD (SEE NOTE #3) 16

TRANSPORT INDEX (SEE NOTE #3) 0.5

SOURCE HOLDER(S) PACKED ON SKID N/A

IN BOX 1



Highest Field

#1 SO/CO # 44165-2
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL HM-8
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 2000 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 60891
ORIGINAL SHIP DATE 9/69
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#2 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#4 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 16 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) Yes

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX.
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

OHMART DRAWING NUMBER
DRAWING NUMBER 56508

OHMART

4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

C-56508

ECO NUMBER	BY/M	REVISION	BY	CHK'D

F.S. # 6109753-6841

MRA # N/A

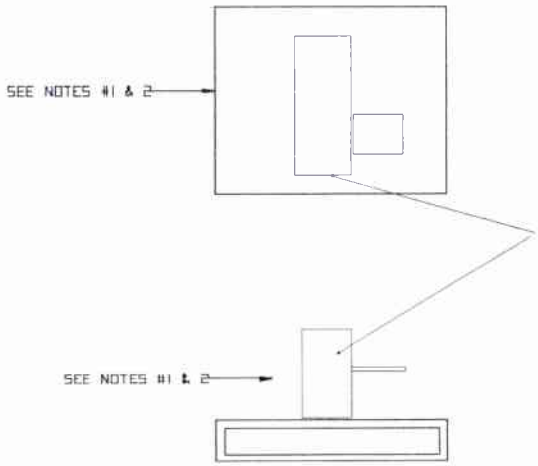
SKID # 1

HIGHEST SURFACE FIELD (SEE NOTE #3) 1.2

TRANSPORT INDEX (SEE NOTE #3) 0.2

SOURCE HOLDER(S) PACKED ON SKID N/A

IN BOX 1



#1 SO/CO # N/A
SOURCE HOLDER LOCKED "OFF" N/A
SOURCE HOLDER MODEL S1F.D1
SOURCE MATERIAL Sr-90
SOURCE ACTIVITY 100 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 1345
ORIGINAL SHIP DATE 9/88
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#2 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#4 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 1.2 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:

1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

OHMART'S ID NUMBER

DRAWING NUMBER 56508

OHMART 4241 Allendorf Drive Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

				C-56508

ECO NUMBER	BY/M	REVISION	BY	CK
	1	[illegible]	[illegible]	

F.S. # 6109753-6841

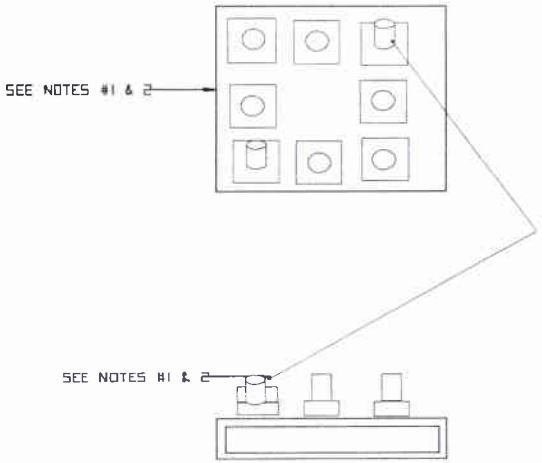
MRA # 31139

SKID # 1 page 1 of 2

HIGHEST SURFACE FIELD (SEE NOTE #3) 10 mR

TRANSPORT INDEX (SEE NOTE #3) 0.3

SOURCE HOLDER(S) PACKED ON SKID N/A IN BOX



Highest Field

#1 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B951
ORIGINAL SHIP DATE Feb-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B1679
ORIGINAL SHIP DATE Feb-89
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5205
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B489
ORIGINAL SHIP DATE May-84
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B953
ORIGINAL SHIP DATE Jun-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I _____ mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 10 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

DRAWING NUMBER 56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE RADIATION FIELD SURVEY

C-56508

ECO NUMBER	SYM	REVISION	BY	DATE	APPROVED
	1	ADDED SOURCE #4			

F.S. # 6109753-6841

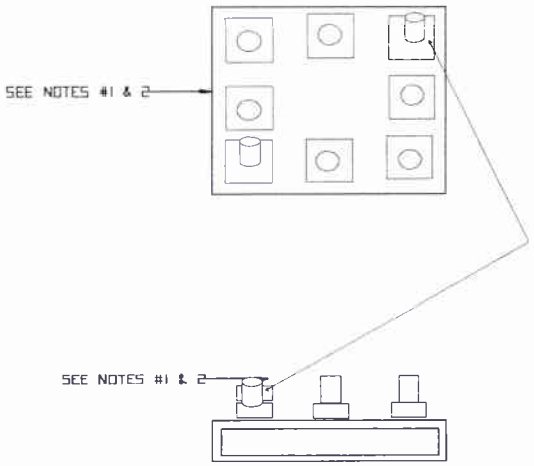
MRA # 31139

SKID # 1 page 2 of 2

HIGHEST SURFACE FIELD (SEE NOTE #3) 10 mR

TRANSPORT INDEX (SEE NOTE #3) 0.3

SOURCE HOLDER(S) PACKED ON SKID 8 IN BOX N/A



Highest Field

#1 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 10 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B2753
ORIGINAL SHIP DATE May-89
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B952
ORIGINAL SHIP DATE Jun-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5205
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 100 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B213
ORIGINAL SHIP DATE Feb-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 10 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B2754
ORIGINAL SHIP DATE Apr-92
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 10 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:

1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
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USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

DRAWING NUMBER 56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

C-56508

Measurex

version 8
RS103

MODEL 1201/1202/2201/2202/2204/4201/4202/4203 and 1237/2237
NUCLEAR AND X-RAY RADIATION SAFETY CHECKS

* System Number	5277
Employee Number (as per E-number tab)	E727302
* Honeywell Rep Last Name	Fairbanks
* Honeywell Rep First Name	Dave
* Customer Name	Solutia
Site Number	4274
* Address 1	5045 W Jefferson Ave
Address 2	
* City	Trenton
* State (Abbreviate only)	MI
* Zip code	48183
* Country (only if not US)	
* FTM Last Name	Timm
* FTM First Name	Van
* FTM Area Number	192306
* Date of Check	4/29/09

* REQUIRED INFORMATION

NRC regulations require licensees to have a responsible person with knowledge of and authority to take action in issues of regulatory compliance. Enter the name , title and phone number of the person for this site, Note: this person cannot be a Honeywell employee. This person may or may not be an employee of the customer.

* Name	Steve Szekely
* Title	ESH
* Phone	734-671-4644
Customer Email	

Address (if different than above)

Address 1	
Address 2	
City	
State	
Zip code	
Country	

Names of others who should receive this report

Name 1	
Name 2	

Name 3

Name 4

All above information will replace current information for site.

- Note: The procedures in this document must be conducted by a person who is presently employed by Honeywell and who has been trained and authorized in accordance with Honeywell's Specific License.
- Except for installation or when special arrangements have been made, these procedures are to be completed within the months of June and December.

		Y	N	NA	not in US
1	**If in the US,** do you have a signed authorized for service on Honeywell sensors from the Honeywell Radiation Safety Office?	☑	☐	☐	☐

		Y	N	NA	not in TN
2	Are you wearing your radiation badge(s)? (Body badge is always required; ring also required in state of TN)	☑	☐	☐	☐

		Y	N	NA	not in TX
3	**In the State of TX & x-ray sensor present,** is this test recorded in log with customer x-ray registration no.?	☐	☐	☐	☑

4 **If in Canada,** record customer's radioisotope License no.

		Y	N
4a	**If in Canada,** is emergency contact posted on end of scanner?	☐	☐

		Y	N	NA	not in NY
5	**If in State of NY,** is this an installation safety test or has a new radioactive source been installed since the last 6 month test?	☐	☐	☐	☑

6 If 5 yes, and exposure rate survey (profile) is **required (RS027)**.

7 Record scanner no(s). Or location(s).

Scanners

A	B	C
#1		
D	**E**	**F**

8 Record sensor model no(s). (**If NOT** 1201, 1202, 2201, 2202, 2204, 4201, 4202, 4203, 1237or 2237 do not continue; request correct form)

Basis Weights

A	B
2201	
C	D
E	F

X-Rays

A	Qty	B	Qty
C	Qty	D	Qty
E	Qty	F	Qty

9 Record source serial no(s). (May be none for 1237 or 2237 x-ray sources)

A	B
1025BG	
C	D
E	F

10 Record source type. **If in Canada,** also record activity as listed on label.

A	B	A activity	Units	B activity	Units
Sr-90					
C	D	C activity		D activity	
E	F	E activity		F activity	

11 Is sensor mounted on a scanner C-frame (09201XX or 092014XX)?

A	B	C	D	E	F
No	NA	NA	NA	NA	NA

12 Radioactive material I.D. label present on at least 1 side (should be on both if both sides are visible) of head containing source?

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

13 If applicable, is x-ray I.D. label present on at least 1 side (should be both if both sides visible) of head containing x-ray sources?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

14 Is information readable on I.D. labels?

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

15 If available, record x-ray serial numbers (see label).

A	B
C	D
E	F

16 If applicable, record x-ray kV (see label).

A	B
C	D
E	F

17 If applicable, record x-ray mA (see label).

A	B
	.2
C	D
E	F

18 Is BW safety cap (plate for S15) available on site?

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

19 Is sensor head shipping shield available on site?

A	B	C	D	E	F
No	NA	NA	NA	NA	NA

20 For each BW & x-ray, record whether it is installed & operable. (YES=installed & operable; NO=not installed or not operable)

A	B	C	D	E	F
No	NA	NA	NA	NA	NA

21 **If BW NOT installed & operable,** is shipping shield in place on source head?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

22 **If BW NOT installed & operable,** skip to final page & complete step 77.

Done	Done	Done	Done	Done	Done
☐	☐	☐	☐	☐	☐

23 If not 4203 (Source 15 in Grateful Head, remove access panel from head. Go to step 25.

Done ☐

24 **If 4203 (Source 15 in Grateful Head),** command shutter(s) to close. Confirm that green lamps are lighted & red lamps are off. Confirm that background counts/volts are nominal for a fully closed shutter. Carefully separate heads (keep hands away from source window) & remove head cover from the source sensor head. **Realign upper & lower heads opposite one another.**

Done ☐

25 Is the BW &/or head cover lock present? (N/A for 1202 or 2202)

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

26 Is the key for the lock available & correct stored? (not left in lock)

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

27 When manually actuated, does BW shutter/source move between open/ON & closed/OFF position smoothly? (With sensor heads in normal positions opposite one another, test "On-Off" mechanism manually - including hard-to-reach one on Model 4201 BW.) For 4202 (S12) & 4203 (S15), the ON/OFF lever is a metal flag on the source assembly.

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

28 Is BW free of visable tungston acetate on the assembly? Look for gray/green coating. (See note 37 in Radiation Safety Manual for more

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

29 **If S6F (BW model 2201-19 - 2201-45),** is dashpot installed & functional on shutter solenoid? (Dashpot dampens shutter motion.)

A	B	C	D	E	F
Yes	NA	NA	NA	NA	NA

30 **If model 2204,** is wiring on lights on head access panel cinched so it can't interfere with mechanical shutter indicator on BW?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

31 Does nitrogen or air purge work?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

32 Are green radiation lamps on & red lamps off when all x-ray & BW shutters or sources are in closed/OFF position?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

33 Record background counts/volts.

A	B
C	D
E	F

34 Are red (ISOTOPE) lamps on, green lamps off when BW shutter/source is in open/ON position?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

35 Record air counts/volts.

A	B
C	D
E	F

36 Confirm that shutter stays **open** during sensor standardization (green lamps should not light.

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

37 If applicable, are red "X-RAY" lamps on & green lamps off whenever one (or more) x-ray shutter(s) are open?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

38 If applicable, are amber lamps lighted when power is applied to x-ray tube(s)?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

39 If applicable, does x-ray key switch work?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

40 If applicable, x-ray power off button work?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

41 Does off sheet button on end of scanner work? (Shutters close, heads go off sheet); N/A for hazard reduced.

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

42 Does off sheet button on Op station work? (All shutters close; heads go off sheet.)

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

43 Are all red , green & amber radiation lamps & off sheet buttons that are on the ends of the scanner correctly installed?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

44 Does software (s/w) belt break work? With any x-ray shutter(s) closed, open BW shutter & scan. Carefully insert steel plate in gap. (Shipping shield mat not work) Does BW shutter/source go to OFF position & sensor heads go off sheet?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

45 **If s/w belt break interlock present,** do BW shutters/sources go to OFF position if computer that controls interlock is halted?

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

46 **If s/w belt break interlock is NOT present,** does h/w belt break (mount on belt) work? Carefully insert screwdriver between belt & switch mounting as close to switch as possible. Pry belt away from switch by twisting screwdriver; confirm BW shutter closes.

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

47 **If h/w belt break applicable,** repeat 46 for other sensor head. Confirm shutter doses.

A	B	C	D	E	F
NA	NA	NA	NA	NA	NA

		A	B	C	D	E	F
48	**If BW sensor is Model 4201, 4202 or 4203** is there a water & dust filter installed in the air supply line to the BW actuator & is the filter working correctly?	NA	NA	NA	NA	NA	NA
49	Does scanner have x-ray with 5335000 or 53349000 PCB? If not, skip 50-53; proceed to step 54.	No	NA	NA	NA	NA	NA
50	Auxiliary red lights control #1 functional? With shutters closed, short J2-4 (TB2-1 if 05334900) to J2-5 (TB2-4 if 05334900).	NA	NA	NA	NA	NA	NA
51	Auxiliary red light control #2 functional? With shutters closed, short J2-7 (TB2-3 if 05334900) to J2-8 (TB2-4 if 05334900). Do red x-ray lamps (initially) light?	NA	NA	NA	NA	NA	NA
52	Is "counts high" interlock functional? For 09210XX and 09220030 scanners, remove wire on TB1-4 & open shutter using s/w command; for all others, close shutters, remove J2-3 (TB1-4 if 05334900) wire & hold contact with J2-11 (TB3-2 if 05334900 PCB). Does x-ray power turn off within 5 seconds?	NA	NA	NA	NA	NA	NA
53	52) Is "counts low" interlock functional? With shutters closed, use jumper wire to short J2-1 (TB1-1 if 05334900) to J2-2 (TB1-2 if 05334900) (to create the low signal). Then use a clip lead from J2-3 (TB1-4 if 05334900) to J2-11 (TB3-2 if 05334900) to open shutter OR open shutter using software command. Does x-ray power turn off within 5 seconds?	NA	NA	NA	NA	NA	NA
54	**Does sensor use micro switches** (not magnetic reed switches or pressure loss) to detect head displacement?	Yes	NA	NA	NA	NA	NA
55	**If 54 YES,** does upper head displacement switch work? Put all shutter(s)/source(s) in closed/OFF position. For large heads (e.g. 2033), open upper head support bracket & loosen screws for head displacement micro switch. For small heads (e.g. 2034), displace switch on mounting plate. Do not disconnect switch wires! Command shutter/source to move to open/ON position. Confirm shutter/source remains in OFF position.	NA	NA	NA	NA	NA	NA
56	**If 54 YES,** repeat 55 for lower head. Does interlock work?	NA	NA	NA	NA	NA	NA
57	Does sensor use one or more magnetic reed switches to detect head displacement?	No	NA	NA	NA	NA	NA
58	**If 57 YES,** does magnetic reed interlock for upper head work? Put all shutter(s)/source(s) in closed/OFF position. If 1 switch is used for both heads, insert ≥1/4" steel plate in gap & cover switch; if 2 separate switches are used (1036 heads or BW model 1202 or 2202), displace **upper** head slightly from mounting plate. Either way, command shutter/source to go to open/ON position. Confirm shutter/source remains in OFF position.	NA	NA	NA	NA	NA	NA
59	**If 57 YES,** & more than one magnetic reed switch is used, repeat 58 for lower head. Does interlock work?	NA	NA	NA	NA	NA	NA
60	Does sensor (Model 2204) use pressure loss to detect head displacement?	No	NA	NA	NA	NA	NA
61	**If 60 YES,** does interlock for upper head work? Put all shutters/sources in closed /OFF position. Displace **upper** head slightly from its mounting plate. Command shutter/source to go to open/ON position. Confirm shutter/source remains in OFF position.	NA	NA	NA	NA	NA	NA
62	**If 60 YES,** repeat 61 for **lower** head. Does interlock work?	NA	NA	NA	NA	NA	NA
63	Does sensor have head separation clutch? **If NO,** go to Step 70.	No	NA	NA	NA	NA	NA
64	Is head separation clutch locked & key properly stored?	NA	NA	NA	NA	NA	NA

		A	B	C	D	E	F
65	Is head separation clutch controlled by toggle or key switch in interlock circuit? **If NO,** skip steps 66-69; proceed to 70	NA	NA	NA	NA	NA	NA
66	Put all shutters/sources (x-ray & BW) in open/ON position & have sensor scan. Put head separation toggle or key switch in enable position. Do all shutters/sources return to closed/OFF position? Does sensor stop scanning?	NA	NA	NA	NA	NA	NA
67	Does clutch solenoid actuate & remove block to clutch OR disengage belt drive gears?	NA	NA	NA	NA	NA	NA
68	With clutch solenoid actuated, manually put BW shutter/source in open/ON position.Does clutch solenoid de-activate & re-insert block?	NA	NA	NA	NA	NA	NA
69	**If 65 YES,** skip Steps 70 & 71, proceed to Step 72.				Done ☐		
70	Does scanner have quick disconnect belt bracket for head separation?(applicable for some scanners with non-EnviroPak heads)	No	NA	NA	NA	NA	NA
71	**IF 70 YES and system does NOT have magnetic reed switch to detect head position,** close all shutters. Separate plate on bracket from plate on belt. Try to open shutters. Does attempt fail?	NA	NA	NA	NA	NA	NA
72	**If gap >4",** standardization & reference done in "dog house"?	NA	NA	NA	NA	NA	NA
73	**If gap >4",** CAUTION (0349700) & DO NOT REMOVE (00349800) label present on both sides on "dog house"?	NA	NA	NA	NA	NA	NA
74	**If not 4203 (Source 15 in Grateful Head),** re-install head access panel. Go to Step 76.				Done ☐		
75	**If 4203 (Source 15 in Grateful Head),** command shutter(s) to close. Confirm that green lamps are lighted & red lamps are off. Confirm that background counts/volts are normal for a fully closed shutter. Carefully separate heads (keep hands away from source window) & replace the head cover on the source sensor head. Realign upper & lower head opposite one another.				Done ☐		
76	On average, how many times per day does the shutter close (green lamps turn on)?	A:	B:	C:	D:	E:	F:
77	**If not Kr-85,** wipe test always required (including sensors not being used), Is sample enclosed?	No	NA	NA	NA	NA	NA
77a	Record date of last meter calibration (see sticker on meter). If last meter calibration is more that 1 year ago (or in Canada more than 3/4 year ago), ORDER REPLACEMENT METER now (for use in next test).	10/15/08			N/A ☐		
77b	**If NOT Sr-90,** is GM probe model no. 489-35 or 44-7? If not call radiation safety.	Y ☐	N ☐	NA ☐			
77c	Wipe test completed according to RS66 instructions?	Y ☑	N ☐	NA ☐			

ALL SAFETY FEATURES ARE PRESENT AND OPERATIONAL EXCEPT AS OTHERWISE NOTED

Question 19: Unable to Locate Safety Shield.
Question 77: Wipe Test Sample sent seperately

System has been decommisioned. Basis Weight source was removed and shipped to Solutia facility in Springfield, MA

Typed Signature: David M Fairbanks

Phone No. / Plant: 269-317-0352
Home No. / Cell No.:

ECO NUMBER	DWN	REVISION	BY	CHECKED

F.S. # 6109753-6841

MRA # 6959

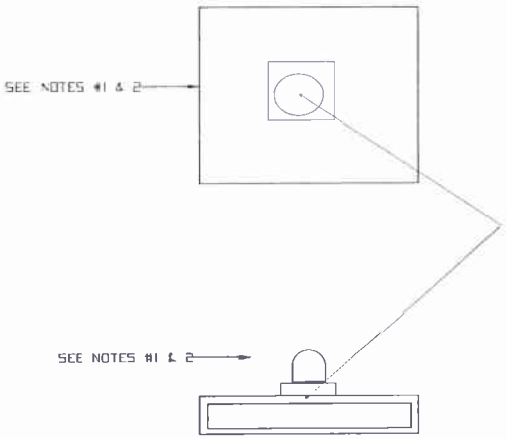
SKID # 1 of 3

HIGHEST SURFACE FIELD (SEE NOTE #3) 16

TRANSPORT INDEX (SEE NOTE #3) 0.5

SOURCE HOLDER(S) PACKED ON SKID N/A

IN BOX 1



#1 SO/CO # 44165-2
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL HM-8
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 2000 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 60891
ORIGINAL SHIP DATE 9/69
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#2 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#4 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

Survey Meter
MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING
DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 16 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) Yes

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

C-56508

F.S. # 6109753-6841

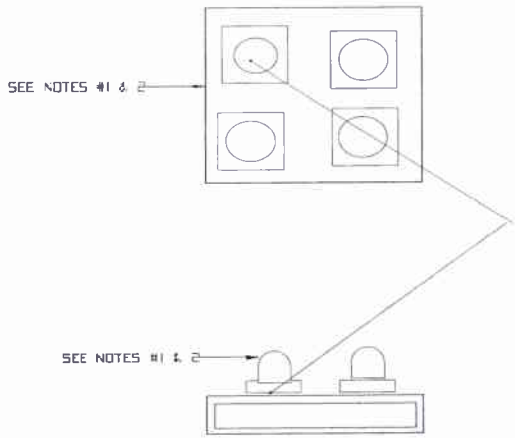
MRA # 6959

SKID # 2 of 3

HIGHEST SURFACE FIELD (SEE NOTE #3) 14 mR

TRANSPORT INDEX (SEE NOTE #3) 0.6

SOURCE HOLDER(S) PACKED ON SKID 4 IN BOX N/A



#1 SO/CO # SO-41165-4
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL HM-8
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 500 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 60667
ORIGINAL SHIP DATE Sep-69
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # MI04-020-6571
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-F1A-45
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # LR589
ORIGINAL SHIP DATE Nov-04
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # MI04-020-6571
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-F1A-45
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 3097CM
ORIGINAL SHIP DATE Nov-04
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # MI04-020-6571
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-F1A-45
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 4220CM
ORIGINAL SHIP DATE Nov-09
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter
MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING
DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 14 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

ECO NUMBER	DRW	REVISION	BY	Checked
	1			

F.S. # 6109753-6841

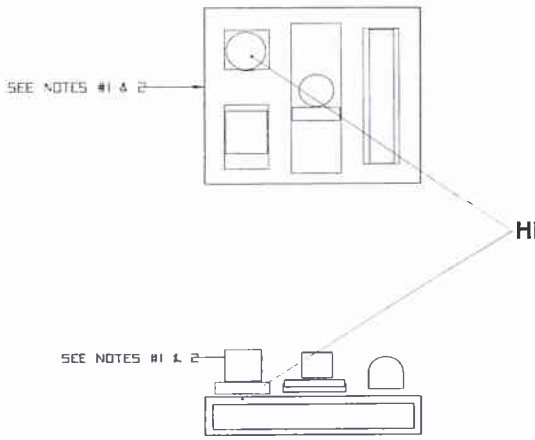
MRA # 6959

SKID # 3 of 3

HIGHEST SURFACE FIELD (SEE NOTE #3) 32 mR

TRANSPORT INDEX (SEE NOTE #3) 0.9

SOURCE HOLDER(S) PACKED ON SKID 4 IN BOX N/A



#1 SO/CO # 41165-3
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL HM-8
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 500 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 60665
ORIGINAL SHIP DATE Sep-69
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # 201009055
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-100
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 10 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 72255
ORIGINAL SHIP DATE Oct-82
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5036
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 200 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B130
ORIGINAL SHIP DATE Jan-89
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5195
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B52
ORIGINAL SHIP DATE Jun-83
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 32 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

C-56508

ECO NUMBER	SYM	REVISION	BY	Checked

F.S. # 6109753-6841

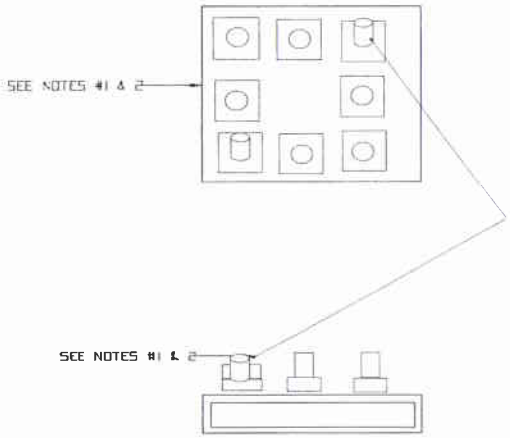
MRA # 31139

SKID # 1 page 1 of 2

HIGHEST SURFACE FIELD (SEE NOTE #3) 10 mR

TRANSPORT INDEX (SEE NOTE #3) 0.3

SOURCE HOLDER(S) PACKED ON SKID N/A IN BOX



Highest Field

#1 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B951
ORIGINAL SHIP DATE Feb-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B1679
ORIGINAL SHIP DATE Feb-89
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5205
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B489
ORIGINAL SHIP DATE May-84
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B953
ORIGINAL SHIP DATE Jun-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter
MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING
DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I ____ mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 10 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

DRAWING NUMBER 56508

OHMART 4241 Allendorf Drive Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE RADIATION FIELD SURVEY

D-56508

ECO NUMBER	SYM	REVISION	BY

F.S. # 6109753-6841

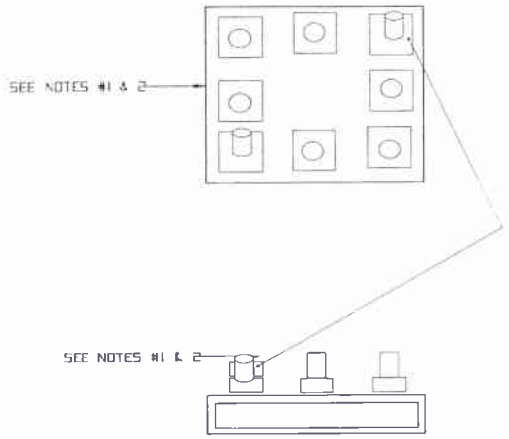
MRA # 31139

SKID # 1 page 2 of 2

HIGHEST SURFACE FIELD (SEE NOTE #3) 10 mR

TRANSPORT INDEX (SEE NOTE #3) 0.3

SOURCE HOLDER(S) PACKED ON SKID 8 IN BOX N/A



Highest Field

#1 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 10 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B2753
ORIGINAL SHIP DATE May-89
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 20 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B952
ORIGINAL SHIP DATE Jun-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#3 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5205
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 100 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B213
ORIGINAL SHIP DATE Feb-86
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#4 SO/CO # TN
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL 5200
SOURCE MATERIAL CS-137
SOURCE ACTIVITY 10 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # B2754
ORIGINAL SHIP DATE Apr-92
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

Survey Meter
MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING
DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 10 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

C-56508

ECO NUMBER	SYM	REVISION	BY	Checked
	1			

F.S. # 6109753-6841

MRA # N/A

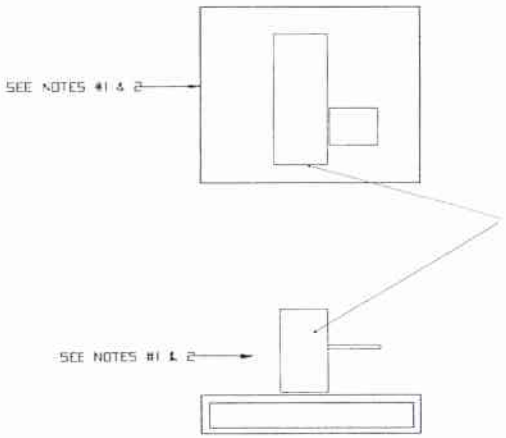
SKID # 1

HIGHEST SURFACE FIELD (SEE NOTE #3) 1.2

TRANSPORT INDEX (SEE NOTE #3) 0.2

SOURCE HOLDER(S) PACKED ON SKID N/A

IN BOX 1



Highest Field

#1 SO/CO # N/A
SOURCE HOLDER LOCKED "OFF" N/A
SOURCE HOLDER MODEL S1F.D1
SOURCE MATERIAL Sr-90
SOURCE ACTIVITY 100 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 1345
ORIGINAL SHIP DATE 9/88
GROSS CONTAMINATION CHECKED Yes
LEAK TEST PERFORMED Yes

#2 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#3 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

#4 SO/CO #
SOURCE HOLDER LOCKED "OFF"
SOURCE HOLDER MODEL
SOURCE MATERIAL
SOURCE ACTIVITY mCi (1 mCi=0,037GBq)
SOURCE SERIAL #
ORIGINAL SHIP DATE
GROSS CONTAMINATION CHECKED
LEAK TEST PERFORMED

Survey Meter

MFG. Ohmart
Model # 2402
Serial # 232042
Last Calibration Date 12/9/2008
Survey By D.Fairbanks Date 5/12/2009

LABELING

DOT TYPE 7A PACKAGE Yes
OVERPACK No
HAZARDOUS MATERIAL IDENTICATION Yes
WHITE I mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 1.2 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) No

NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ( ).
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME SOLUTIA TRENTON
USER ADDRESS 5045 W Jefferson
Trenton, MI 48183
P. O. # 4503811259
CONTACT Rick Turigliatto
TELEPHONE # 734-671-4526

OHMART DWG NUMBER
CHANGED NUMBER 56508

OHMART
4241 Allendorf Drive
Cincinnati, Ohio 45209 USA

RETURNED - SOURCE PACKAGE
RADIATION FIELD SURVEY

C-56508

HONEYWELL INTERNATIONAL
Radiological Operations
3079 Premiere Pkwy.
Duluth, GA 30097
Phone: 770-689-0500

Steve Szekely
Solutia Inc
5045 West Jefferson
Trenton MI 48183

May 5, 2009

Re: Honeywell System: 5277

This is to acknowledge receipt of the following radioactive source(s), which was/were returned by you to our facility at 3079 Premiere Pkwy., Duluth, GA 30097 on the date noted below. By this letter, Honeywell acknowledges receipt and we accept responsibility for future disposition of the source(s).

4/29/2009

Isotope:	Sr-90
S/N:	1025BG
Activity (CI):	0.05
Dev Model:	2201

We are authorized to receive this source under Georgia license GA-832-1

There may be a regulatory requirement that you notify your regulatory authority when you transfer radioactive material. We have, therefore, enclosed a letter that you may sign and forward to them to accomplish this notice. You should keep a copy of all correspondence in your files as your record of transfer.

If you have any questions concerning this matter, please contact us.

Sincerely,

Brian E. Baker
Radiological Operations

Solutia Inc
5045 West Jefferson
Trenton,MI 48183

Division of Health Facilities & Services
Radiation Safety Section
P.O. Box 30664
Lansing, MI 48909

To Whom It May Concern,

This is to advise you that we have returned the following radioactive source(s) to Honeywell International, 3079 Premiere Pkwy, Duluth, GA 30097

Isotope:	Sr-90
S/N:	1025BG
Activity (CI):	0.05
Dev Model:	2201

Honeywell is authorized to receive the listed source(s) under Georgia radioactive materials license GA 832-1

Sincerely,

_____
signature

_____
Title

_____
date

Solutia Inc
5045 West Jefferson
Trenton,MI 48183

Nuclear Regulatory Commission
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

To Whom It May Concern,

This is to advise you that we have returned the following radioactive source(s) to Honeywell International, 3079 Premiere Pkwy, Duluth, GA 30097

Isotope:	Sr-90
S/N:	1025BG
Activity (CI):	0.05
Dev Model:	2201

Honeywell is authorized to receive the listed source(s) under Georgia radioactive materials license GA 832-1

Sincerely,

signature

Title

date

FedEx Express **US Airbill**

FedEx Tracking Number 8518 61316045

Form ID No. 0200

1 From *Please print and press hard.*

Date 4/29/09 Sender's FedEx Account Number 100521768

Sender's Name DAVE FAIRBANKS Phone (269) 317-0352

Company SOLUTIA INC

Address 5045 WEST JEFFERSON Dept./Floor/Suite/Room

City TRENTON. State MI ZIP 48183

2 Your Internal Billing Reference *First 24 characters will appear on invoice.* OPTIONAL

3 To

Recipient's Name CURT WILLIS RSO Phone (413) 730-2579

Company SOLUTIA INC

Recipient's Address 730 WORCESTER STREET BLDG 100 Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address [redacted]

To request a package be held at a specific FedEx location, print FedEx address here.

City SPRINGFIELD State MA ZIP 01151

4a Express Package Service *Packages up to 150 lbs.*

- [X] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — NOT Available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [ ] No
- [X] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

- [X] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	24	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

467

Rev. Date 11/03 • Part #156281 • ©1994–2003 FedEx • PRINTED IN U.S.A. MWA 04

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

RETAIN THIS COPY FOR YOUR RECORDS.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS **(Provide at least three copies to the airline.)**

Shipper

Dave Fairbanks - Honeywell
Solutia Inc.
5045 West Jefferson
Trenton, MI 48183

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference Number

Consignee

Solutia Inc.
730 Worcester Street
Building 100
Springfield, MA 01151

FedEx Express

Two completed and signed copies of this Declaration must be handed to the operator

WARNING

Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.

TRANSPORT DETAILS

This shipment is within the limitations prescribed for: *(delete non applicable)*

~~PASSENGER AND CARGO AIRCRAFT~~ | CARGO AIRCRAFT ONLY

Airport of Departure

Airport of Destination:

Shipment type: *(delete non-applicable)*

~~NON-RADIOACTIVE~~ | RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

UN Number or Identification Number, Proper Shipping name, Class or Division (subsidiary risk), Packing Group (if required), and all other required information.

UN2915, Radioactive material, Type A Package, 7,
Strontium 90, solid, silicate glass, 1 USA DOT-7A Type A Package (metal drum) x 1.85 GBq,
II Yellow, T.I. 0.1 Dimensions 38 X 38 X 54 cm

Additional Handling Information

Cargo Aircraft Only Emergency Response Guide no. 163

Emergency Telephone Number Chemtrec (800) 424-9300 or 703-527-3887

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations. I declare that all of the applicable air transport requirements have been met.

Name/Title of Signatory

DAVID M FAIRBANKS SR SCIENTIST

Place and Date

4/29/09

Signature *(see warning above)*

FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR TREATMENT.

BASIS WEIGHT (BW) ASSEMBLY RETURN TO HONEYWELL RADIOLOGICAL OPERATIONS

- Serial no. of returned radioactive source: 1025BG System no. 5277
- Reason for return: TRANSFER FROM TRENTON NJ TO SPRINGFIELD, MA
- SO# _____ Project # 126952 Task# 851-1-71800230
- Circle and complete **one** of the following: TRANSFER SITE TO SITE

1. BW device replacement – return of replaced device.

   If #1 is marked, Is credit expected? If yes, CMR #_____ (CMR's issued by SSC)

2. BW returned for source disposal.

3. BW returned for capsule replacement.

4. BW returned for repair. CMR # _____ [note what repairs are required in comments]

5. BW returned for cleaning. [interior cleaning ONLY, otherwise it is a repair]

****** If BW is returned for reload, repair, or cleaning and additional work or parts are required, additional charges will be made. Parts where credit is expected will be delivered to GLC-Parts-Returns with your CMR document. Other returned parts will be reworked or scrapped as appropriate. They will not be available for return to the system in the future.**

6. BW returned for long-term storage (> 1 mo.) Storage fee is for 1 year.

- Name of Employee: DAVID M FITZSIMMONS (Please print) Dept. Number: 192301
- Phone no.: 269-317-0352 Date: 4/29/09

If you installed a replacement BW assembly in the sensor, please record the following:

	Original Source	New Source
Serial no.		
Gain		
Background		
Air counts/volts		

RSO use only:

Sys: _____ S/N:_____

Output now: _____ Today's Date: _____ I S

_____

_____

_____ _____
Init. Date

Comments/special handling:_____

_____

_____

Please include this form in the box containing the removed BW assembly.

STRAIGHT BILL OF LADING - SHORT FORM

1 of 1

ORIGINAL - NOT NEGOTIABLE

YRC (Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From:

Company SOLUTIA TRENTON

Address: 5045 W Jefferson
Trenton, MI 48183

The property described below, in apparent good order, except as noted (content and condition of contents of packages unknown), 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 of said property 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 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 classifications 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 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

Consigned to ThermoFisher Scientific
Destination 1410 Gillingham Lane; Sugar Land, Tx 77478-2890
Route

No. Pkg.	H/M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Cor.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label
1of1	X	**UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7** **1 Pallet STC 8 Casks of Radioactive Material**	350	Cs-137	8.14 GBq 220 mCi	0.3	Yellow II

FOR SHIPMENT STATUS, CALL 1-800-ROADWAY

12/22/08 761-072924-6

761

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 applicable regulations of the Department of Transportation.

24 Hour Emergency Contact: (313) 702-6260

's Roadway's tariffs are incorporated herein (copies available upon request). Roadway's tariffs limit its liability. This shipment is subject to the terms and conditions of the Uniform Straight Bill of Lading as stated in the NMFC 100 series tariff.

Third Party Bill To:

SHIPPER'S REF. NO. 6109753-6841
MATERIAL RETURN AUTHORIZATION NO. 31139

Prepaid ☑

Collect ☐

SIGNATURE OF PERSON PREPARING THE SHIPMENT

NAME OF SHIPPER/OWNER Rick Turigliatto

RECEIVED BY

Permanent post office address of shipper: 5045 W Jefferson
Trenton, MI 48183

Received date

Shipper's Signature

Date signed

RDWY YRC 51409.
1 pc Rupert.

LFE-10

1 of 1

STRAIGHT BILL OF LADING - SHORT FORM

ORIGINAL - NOT NEGOTIABLE

YRC (Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From:

Company SOLUTIA TRENTON

Address: 5045 W Jefferson
Trenton, MI 48183

The property described below, in apparent good order, except as noted (content and condition of contents of packages unknown), 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 of said property 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 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 classifications 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 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

Consigned to QSA - Global
Destination 6765 Langley Dr.; Baton Rouge, La 70809
Route

No. Pkg.	H/M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Cor.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label
1of3	RQ	UN 3332, RADIOACTIVE MATERIAL,TYPE A PACKAGE, SPECIAL FORM ,7 1 Crate STC 1 Cask of Radioactive Material	400	Cs-137	74 GBq 2000 mCi	0.5	Yellow II
2of3	X	UN 3332, RADIOACTIVE MATERIAL,TYPE A PACKAGE, SPECIAL FORM ,7 1 Pallet STC 4 Casks of Radioactive Material	600	Cs-137	20.72 GBq 560 mCi	0.6	Yellow II
3of3	X	UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 1 Pallet STC 4 Casks of Radioactive Material	650	Cs-137	27.01 GBq 730 mCi	0.9	Yellow II

3 Skids

FOR SHIPMENT STATUS, CALL 1-800-ROADWAY

12/22/08 761-072925-5

761

's Roadway's tariffs are incorporated herein (copies available upon request). Roadway's tariffs limit its liability. This shipment is subject to the terms and conditions of the Uniform Straight Bill of Lading as stated in the NMFC 100 series tariff.

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 applicable regulations of the Department of Transportation.

24 Hour Emergency Contact: (313) 702-6260

Third Party Bill To:

SHIPPER'S REF. NO. 6109753-6841
MATERIAL RETURN AUTHORIZATION NO. 6959

Prepaid ☑

Collect ☐

SIGNATURE OF PERSON PREPARING THE SHIPMENT

NAME OF SHIPPER/OWNER Rick Turigliatto

RECEIVED BY

Permanent post office address of shipper: 5045 W Jefferson
Trenton, MI 48183

Received date

Shipper's Signature

Date signed

RQ Cs-137 YRC - 5-14-09
(3) skids
Ryder

1 of 1

STRAIGHT BILL OF LADING - SHORT FORM

ORIGINAL - NOT NEGOTIABLE

YRC (Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From:

Company SOLUTIA TRENTON

Address: 5045 W Jefferson
Trenton, MI 48183

The property described below, in apparent good order, except as noted (content and condition of contents of packages unknown), 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 of said property 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 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 classifications 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 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

Consigned to Solutia, Inc.; Atten: Curt Willis, RSO
Destination 730 Worcester St.; Springfield, Ma 01151
Route

No. Pkg.	H/M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Cor.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label
1of1	X	**UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7** **1 Crate STC 1 Cask of Radioactive Material**	350	Sr-90	3.7 GBq 100 mCi	0.2	Yellow II

12/22/08 761-072923-7

761

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 applicable regulations of the Department of Transportation.

24 Hour Emergency Contact: (313) 702-6260

's Roadway's tariffs are incorporated herein (copies available upon request). Roadway tariffs limit its liability. This shipment is subject to the terms and conditions of the Uniform Straight Bill of Lading as stated in the NMFC 100 series tariff.

CKR	PCS	O/B UNIT	DEST

Third Party Bill To:

SHIPPER'S REF. NO. 6109753-6841
MATERIAL RETURN AUTHORIZATION NO. N/A

Prepaid ☑
Collect ☐

SIGNATURE OF PERSON PREPARING THE SHIPMENT

NAME OF SHIPPER/OWNER Rick Turigliatto

RECEIVED BY

Permanent post office address of shipper: 5045 W Jefferson
Trenton, MI 48183

Received date

Shipper's Signature

Date signed

YRC - 5.14.09
Rdwy Rydt
1 of

OHMART VEGA

4241 Allendorf Drive
Cincinnati, Ohio 45209
513.272.0131 Fax 513.272.4381
e-mail mcornelissen@ohmartvega.com

Emergency Response Guide for Ohmart/VEGA Corp.

Proper Shipping Name: RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM UN3332

HEALTH

- Radiation presents minimal risk to transport workers, emergency response personnel, and the public during transportation accidents. Packaging durability increases as potential hazard of radioactive content increases.
- Undamaged packages are safe; contents of damaged packages may cause external radiation exposure and much higher external exposure if contents (source capsules) are released.
- Contamination and internal radiation hazards are not expected, but not impossible.
- Type A packages identified as "Type A" by marking on packages or by shipping papers contain non-life endangering amounts. Radioactive sources may be released if "Type A" packages are damaged in moderately severe accidents.
- Radioactive White-I labels indicate radiation levels outside single, isolated, undamaged packages are very low (less than 0.005 mSv/h (0.5 mrem/h)).
- Radioactive Yellow-II and Yellow-III labeled packages have higher radiation levels. The transport index (TI) on the label identifies the maximum radiation level in mrem/h one meter from a single, isolated, undamaged package.
- Radiation from the package contents, usually in durable metal capsules, can be detected by most radiation instruments.
- Water from cargo fire control is not expected to cause pollution.

FIRE OR EXPLOSION

- Packagings can burn completely without risk of content loss from sealed source capsule.
- Radioactivity does not change flammability or other properties of materials.
- Radioactive source capsules are designed and evaluated to withstand total engulfment in flames at temperatures of 800°C (1475°F).
- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, call 800-543-8668.**
- **Priorities for rescue, life-saving, first aid, and control of fire and other hazards are higher than the priority for measuring radiation levels.**
- Radiation Authority must be notified of accident conditions. Radiation Authority is usually responsible for decisions about radiological consequences and closure of emergencies.
- Isolate spill or leak area immediately for at least 15 to 30 meters (50 to 100 feet) in all directions.
- Stay upwind. Keep unauthorized personnel away.
- Delay final cleanup until instructions or advice is received from Radiation Authority.

PROTECTIVE CLOTHING

- Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection against internal radiation exposure, but not external radiation exposure.

EVACUATION

- When a large quantity of this material is involved in a major fire, consider an initial evacuation distance of 300 meters (1000 feet) in all directions.

FIRE

- Presence of radioactive material will not influence the fire control processes and should not influence selection of techniques.
- Move containers from fire area if you can do it without risk.
- Do not move damaged packages; move undamaged packages out of fire zone.

Small Fires

- Dry chemical, CO_2, water spray or regular foam.

Large Fires

- Water spray, fog (flooding amounts).

SPILL OR LEAK

- Do not touch damaged packages or spilled material.
- Damp surfaces on undamaged or slightly damaged packages are seldom an indication of packaging failure. Content is a metal capsule, easily seen if released from package.
- If source capsule is identified as being out of package, **DO NOT TOUCH**. Stay away and await advice from Radiation Authority.

FIRST AID

- Medical problems take priority over radiological concerns.
- Use first aid treatment according to the nature of the injury.
- Do not delay care and transport of a seriously injured person.
- Persons exposed to special form sources are not likely to be contaminated with radioactive material.
- Apply artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Injured persons contaminated by contact with released material are not a serious hazard to health care personnel, equipment or facilities.
- Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

: http://hazmat.dot.gov/pubs/erg/g164.pdf

OHMART VEGA

4241 Allendorf Drive
Cincinnati, Ohio 45209
513.272.0131 Fax 513.272.4381
e-mail mcornelissen@ohmartvega.com

Emergency Response Guide for Ohmart/VEGA Corp.

Proper Shipping Name RADIOACTIVE MATERIAL, TYPE A PACKAGE, UN2915

HEALTH

- Radiation presents minimal risk to transport workers, emergency response personnel, and the public during transportation accidents. Packaging durability increases as potential hazard of radioactive content increases.
- Undamaged packages are safe. Contents of damaged packages may cause higher external radiation exposure or both external and internal radiation exposure if contents are released.
- Type A packages identified as "Type A" by marking on packages or by shipping papers contain non-life endangering amounts. Partial releases might be expected if "Type A" packages are damaged in moderately severe accidents.
- Radioactive White-I labels indicate radiation levels outside single, isolated, undamaged packages are very low (less than 0.005 mSv/h (0.5 mrem/h)).
- Radioactive Yellow-II and Yellow-III labeled packages have higher radiation levels. The transport index (TI) on the label identifies the maximum radiation level in mrem/h one meter from a single, isolated, undamaged package.
- Radioactive materials used in Ohmart/VEGA equipment can be detected by commonly available instruments.
- Water from cargo fire control may cause pollution.

FIRE OR EXPLOSION

- **Radioactivity does not change flammability or other properties of materials.**

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, call 800-543-8668.**
- **Priorities for rescue, life-saving, first aid, and control of fire and other hazards are higher than the priority for measuring radiation levels.**
- Radiation Authority must be notified of accident conditions. Radiation Authority is usually responsible for decisions about radiological consequences and closure of emergencies.
- Isolate spill or leak area immediately for at least 15 to 30 meters (50 to 100 feet) in all directions.
- Stay upwind. • Keep unauthorized personnel away.
- Detain or isolate uninjured persons or equipment suspected to be contaminated; delay decontamination and cleanup until instructions are received from Radiation Authority.

PROTECTIVE CLOTHING

- Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection against internal radiation exposure, but not external radiation exposure.

EVACUATION

Fire

- When a large quantity of this material is involved in a major fire, consider an initial evacuation distance of 300 meters (1000 feet) in all directions.

FIRE

- Presence of radioactive material will not influence the fire control processes and should not influence selection of techniques.
- Move containers from fire area if you can do it without risk.
- Do not move damaged packages; move undamaged packages out of fire zone.

Small Fires

- Dry chemical, CO_2, water spray or regular foam.

Large Fires

- Water spray, fog (flooding amounts).
- Dike fire-control water for later disposal.

SPILL OR LEAK

- Do not touch damaged packages or spilled material.
- Damp surfaces on undamaged or slightly damaged packages are seldom an indication of packaging failure.

FIRST AID

- Medical problems take priority over radiological concerns.
- Use first aid treatment according to the nature of the injury.
- Do not delay care and transport of a seriously injured person.
- Apply artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Injured persons contaminated by contact with released material are not a serious hazard to health care personnel, equipment or facilities.
- Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

: http://hazmat.dot.gov/pubs/erg/g163.pdf

YRC

GR

YRC PU DATE	DESTINATION	RATE CODE	REVTENDER NO.	PAGE
05-14-09	179-1	/I2	80117..4	01 OF 02

PRO NO: 761-072923-7

P.O. NO./DEPT NO.: NS

SHIPPER: SOLUTIA 82CB
5045 W JEFFERSON AVE
TRENTON MI 48183

CONSIGNEE: SOLUTIA
CURT WILLIS RSO
730 WORCESTER ST
SPRINGFIELD MA 01104

100 Bldg

SERVICE | EXCEP

CONS. CODE: 8221

CABW BOO

SEE FINAL PAGE...

THE TARIFFS OF YRC LIMIT OUR LIABILITY. ALL FREIGHT RECEIVED IN GOOD ORDER AND SHRINKWRAP/BANDING INTACT UNLESS NOTED BELOW. THANK YOU! YRC. MAY 1 8 2009

PLEASE SIGN HERE: S. Gonzalez DATE: 5/18/09 TIME: 11:20

UNIT NO	CHKR #	AU	LOCATION	CHKR #	NO	DOOR	UNIT NO
115589				50	1	10	6 of 12

BILL OR GBL NO.: NS

PRO 761-072923-7

INVOICE: SEE FINAL PAGE...

CHARGES: SEE FINAL PAGE

NO. HU	PKG.	HM	DESCRIPTION OF ARTICLES	CODE	WEIGHT (LB.)	RATE	CHARGES
1	PLT	X	RADIOACTIVE MATERIAL, TYPE A PACKAGE , 7, UN 2915 (RAM) CR-90 3.7GBQ 100MCI 0.02 YELLOW II NMFC=16490001 CLC70 PERCENT DISCOUNT (OUTBOUND) HAZARDOUS MATERIAL SERVICE GENERAL SURCHARGE (FUEL/FRT)	E60	350		
1	TTL	////		TTL	350		PPD

DELIVERY RECEIPT

[redacted]

ADV CL	CL PU DATE	ADV CL FRT BILL NO.	ADV CL AMT	DUE FM ADV CL

YRC

GR

YRC PU DATE	DESTINATION	RATE CODE	REVTENDER NO.	PAGE
05-14-09	179-1	/I2	80117..4	02 OF 02

PRO NO: 761-072923-7

P.O. NO./DEPT NO.: NS

SHIPPER: SOLUTIA 82CB
5045 W JEFFERSON AVE
TRENTON MI 48183

CONSIGNEE: SOLUTIA
CURT WILLIS RSO
730 WORCESTER ST
SPRINGFIELD MA 01104

SERVICE: MON 16 | EXCEP

CONS. CODE: 8221

0.032
CABW BOO

THE TARIFFS OF YRC LIMIT OUR LIABILITY. ALL FREIGHT RECEIVED IN GOOD ORDER AND SHRINKWRAP/BANDING INTACT UNLESS NOTED BELOW. THANK YOU! YRC.

PLEASE SIGN HERE DATE TIME

X

UNIT NO	CHKR #	AU	LOCATION	CHKR #	NO	DOOR	UNIT NO
115589			PARK		10		

BILL OR GBL NO.: NS

HAZARDOUS MAT

PRO 761-072923-7

INVOICE: **

CHARGES:

NO. HU	PKG.	HM	DESCRIPTION OF ARTICLES	CODE	WEIGHT (LB.)	RATE	CHARGES
			REF #: 6109753-6841 RN#: 6109753-6841 #: FOR EMERGENCY CONTACT 313-702-6260 X				

DELIVERY RECEIPT

[redacted]

ADV CL	CL PU DATE	ADV CL FRT BILL NO.	ADV CL AMT	DUE FM ADV CL

QSA GLOBAL

6765 Langley Drive
Baton Rouge, Louisiana 70809
Telephone: 225-751-5893
Fax: 225-756-0365

Date: May 21, 2009

Stephen Szekely
Solutia-Trenton Plant
5045 West Jefferson
Trenton, MI 48183

MRA # 7078

This is to advise that the Radioactive Material as detailed below has been received by QSA Global, Inc as of 5-20-09 and we have taken possession of these sources.

Manufacturer	Model	S/N	Isotope	Activity
TN	5195	B-52	Cs-137	20 mci
TN	5036	B-130	Cs-137	200 mci
Ohmart/Vega	HM-8	60891	Cs-137	2000 mci
Ohmart/Vega	HM-8	60665	Cs-137	500 mci
Ohmart/Vega	HM-8	60667	Cs-137	500 mci
Ohmart/Vega	SH-100	72255	Cs-137	10 mci
Ohmart/Vega	SH-F1A	3097CM	Cs-137	20 mci
Ohmart/Vega	SH-F1A	LR589	Cs-137	20 mci
Ohmart/Vega	SH-F1A	4220CM	Cs-137	20 mci

Please retain this record for your files. Should you require further assistance, please contact us at QSA Global, Inc.

Regards,

Rusty Barrett

Rusty Barrett
Technical Service Manager

ThermoFisher SCIENTIFIC

The world leader in serving science

ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL

June 9, 2009

Jackie Globke
Ohmart Vega
4241 Allendorf Drive
Cincinnati, OH 45209

RMA Number 31139

Attention Jackie Globke:

This is to certify that Thermo Fisher Scientific has received and accepted ownership of the radioactive material described below pursuant to applicable regulations and as authorized by our Texas Radioactive Material License L03524.

Manufacturer	Model	Serial	Isotope	Source	Activity	Units	Assay
TN TECHNOLOGIES	5200	B953	Cs-137	GV-1139	20	mCi	6/1/1986
Summary (1 source)					**20**	**mCi**	
Manufacturer	**Model**	**Serial**	**Isotope**	**Source**	**Activity**	**Units**	**Assay**
TN TECHNOLOGIES	5200	B2753	Cs-137	GV-2859	10	mCi	5/2/1989
TN TECHNOLOGIES	5200	B2754	Cs-137	GV-5188	10	mCi	4/16/1992
Summary (2 sources)					**20**	**mCi**	
Manufacturer	**Model**	**Serial**	**Isotope**	**Source**	**Activity**	**Units**	**Assay**
TN TECHNOLOGIES	5200	B951	Cs-137	GV-1158	20	mCi	2/17/1986
TN TECHNOLOGIES	5200	B952	Cs-137	GV-1585	20	mCi	6/18/1986
TN TECHNOLOGIES	5205	B213	Cs-137	GV-1393	100	mCi	2/14/1986
Summary (3 sources)					**140**	**mCi**	
Manufacturer	**Model**	**Serial**	**Isotope**	**Source**	**Activity**	**Units**	**Assay**
TN TECHNOLOGIES	5200	B1679	Cs-137	GV-2527	20	mCi	2/1/1989
TN TECHNOLOGIES	5205	B489	Cs-137	GV-1041	20	mCi	5/10/1984
Summary (2 sources)					**40**	**mCi**	

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478 (713) 272-0404 (713) 272-2272 fax www.thermofisher.com

Acknowledgment for RMA Number 31139

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material. If you are not the Radiation Safety Officer or responsible for maintaining regulatory records for radioactive material, please forward this letter to the appropriate person.

If you have any questions or require additional assistance, please contact us at (800) 437-7979 or (713) 272-0404.

Sincerely,
Thermo Fisher Scientific

Angelica Guidry
Nuclear Services Specialist

05-14-09 | 521-3 /12 | 80117. . 4 | PAGE 01 OF 02

P.O. NO. / DEPT. NO.
NS

BILL OF LADING NO.
DRG 261

SOLUTIA
5045 W JEFFERSON AVE
TRENTON MI 48183

SHIPPER LOAD & COUNT
SEC B

BILL OF LADING AMOUNT

SERVICE | EXCEP

THERMO FISHER SCIENTIFIC
1410 GILLINGHAM LN
SUGAR LAND TX 77478

CONS. CODE
283E

CARW | BOO

THE TARIFFS OF YRC LIMIT OUR LIABILITY. ALL FREIGHT RECEIVED IN GOOD ORDER AND SHRINKWRAP/BANDING INTACT UNLESS NOTED BELOW. THANK YOU! YRC.

PLEASE SIGN HERE
X B Calhan

DATE 5/19/09

TIME 12:30 PM

SEE FINAL PAGE. . .

UNIT NO.	CHKR #	HU	LOCATION	CHKR #	HU	DOOR	UNIT NO.
290301							

OR GBL NO.
NS

INVOICE

SEE FINAL PAGE. . .

TOTAL CHARGES
SEE FINAL PAGE

TO 761-072924-A

NO. HU	PKG	HM	DESCRIPTION OF ARTICLES	CODE	WEIGHT (LB.)	RATE	CHARGES
1	SKD	X	RADIOACTIVE MATERIAL, TYPE A PACKAGE UN 2915 (RAM) CS-137 8.14 MBQ 220 MCI 0.03 YELLOW II NM-16490001 CLC70 8 CTN PERCENT DISCOUNT (OUTBOUND) HAZARDOUS MATERIAL SERVICE GENERAL SURCHARGE (FUEL/FRT)	E60	350		

DELIVERY RECEIPT

MITT ROMNEY
GOVERNOR

KERRY HEALEY
LIEUTENANT GOVERNOR

TIMOTHY R. MURPHY
SECRETARY

PAUL J. COTE, JR.
COMMISSIONER

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
Center for Environmental Health
Radiation Control Program
Schrafft Center, Suite 1M2A
529 Main Street, Charlestown, MA 02129
(617) 242-3035 (617) 242-3457 - Fax

August 11, 2006

FILE COPY

Curt Willis, CIH, RSO
Industrial Hygiene & Facilities Lead
Solutia, Inc.
Indian Orchard Plant
730 Worcester Street
Springfield, MA 01151

RE: Amendment Number: 05
License Number: 00-5146
Docket Number: 06-6445

Dear Mr. Willis:

Enclosed is the above referenced license amended as requested in your letter dated June 23, 2006.

Please review the enclosed document carefully. If there are any errors or questions please do not hesitate to contact this office at the number above.

Sincerely,

Robert Walker

Robert Walker, Director
Radiation Control Program

RW/sf

Enclosure:(1)

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH
RADIATION CONTROL PROGRAM
MATERIALS LICENSE

Pursuant to Massachusetts General Laws Chapter 111, Sections 3, 5M, 5N, 5O and 5P and Massachusetts Regulations for the Control of Radiation, Section 120.100, Licensing of Radioactive Material, and in reliance on statements and representation heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer radioactive materials 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 105 CMR 120.000. This license shall be deemed to contain the conditions specified in 105 CMR 120.000 and is subjected to all applicable rules, regulations of the Department of Public Health, Commonwealth of Massachusetts, now or hereafter in effect and to any conditions specified below.

Licensee	
1. Solutia, Inc. Indian Orchard Plant	3. License Number: 00-5146 **is amended in its entirety, in accordance with letter dated June 23, 2006, to read as follows:** Amendment No: 05
2. 730 Worcester Street Springfield, MA 01151	4. Expiration Date: June 30, 2010
	5. Docket No: 99-0315

6.	**Radioactive Material**	7.	**Chemical/Physical Form**	8.	**Maximum Possession Limit**
A.	Cesium-137	A.	Sealed sources	A.	20 curies
B.	Strontium-90	B.	Sealed sources	B.	Not to exceed 200 millicuries per source and 2000 millicuries total
C.	Krypton-85	C.	Sealed sources	C.	Not to exceed 1200 millicuries per source and 5000 millicuries total
D.	Cobalt -60	D.	Sealed sources	D.	Not to exceed 500 millicuries per source and 1000 millicuries total
E.	Hydrogen-3	E.	Titanium tritide foils	E.	Not to exceed 150 millicuries per foil and 1000 millicuries total

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9. Authorized use:

A. through D. For possession and use in Kay Ray, Adaptive Technologies Industries, Accuray, Ohmart, LFE, Berthold System, Inc., Data Measurement Corp., Flow Measurement Systems, Ronan Engineering or Texas Nuclear devices which have been evaluated and approved for licensing purposes and authorized for distribution under a license issued by the Agency, the U.S. Nuclear Regulatory Commission or an Agreement State.

E. In Sentex Company Model 508-3 gas chromatographs.

CONDITIONS

10. Radioactive materials shall only be used at the licensee's facilities located at Indian Orchard Plant, 730 Worcester Street, Springfield, Massachusetts.

11. This license is subject to an annual fee as determined by the Executive Office for Administration and Finance.

12. The Radiation Safety Officer for the activities authorized by this license is Curtis H. Willis.

13. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision and in the physical presence of, individuals who have received the training described in the application dated December 27, 1994 and have been designated in writing by the Radiation Safety Officer.

14. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.

B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.

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C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

E. Sealed sources and detector cells need not be leak tested if:

(i) they contain only hydrogen-3; or

(ii) they contain only a radioactive gas; or

(iii) the half-life of the isotope is 30 days or less; or

(iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or

(v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the Agency, and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Agency regulations. The report shall be filed within five days of the date the leak test result is known with the Director, Radiation Control Program. The report shall specify the source or detector cell involved, the test results, and corrective action taken.

G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons

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specifically licensed by the Agency, the U.S. Nuclear Regulatory Commission, or an Agreement State to perform such services.

15. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

16. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.

17. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.

18. Each gauge shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than six-month intervals or at such longer intervals as specified by the manufacturer and approved by the Commission or an Agreement State in a registration certificate referred to in 10 CFR 32.210.

19. Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources shall be performed by Curtis H. Willis, or by persons specifically licensed by the Agency, the U.S. Nuclear Regulatory Commission, or an Agreement State to perform such services. Installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Agency, the U.S. Nuclear Regulatory Commission, or an Agreement State to perform such services.

20. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above, and below the device with the shutter open. This survey shall be performed only by persons authorized to perform such services by the Agency, the U.S. Nuclear Regulatory Commission, or an Agreement State.

21. The licensee shall operate each device containing licensed material within the manufacturer's specified temperature and environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.

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22. The licensee shall assure that the shutter mechanism of each device is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify as appropriate its "lock-out" procedures whenever a new device is obtained to incorporate the device manufacturer's recommendations.

23. The licensee shall only transport radioactive material or deliver radioactive material to a carrier for transport in accordance with the provisions of 49 CFR Parts 170 through 189, 10 CFR Part 71, and 105 CMR 120.770, "Transportation of Radioactive Material."

24. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with statements, representations and procedures contained in the documents, including any enclosures, listed below. The Massachusetts Regulations for the Control of Radiation (105 CMR 120.000) shall govern, unless statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

    A. U.S. Nuclear Regulatory Commission License No. 20-00514-06 transferred to Massachusetts on March 21, 1997.
    B. Letter dated August 22, 1997.
    C. Letter dated March 15, 2003.
    D. Letters (2) dated January 22, 2004.
    E. Letter dated May 19, 2005.
    F. Letter dated June 23, 2006.

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FOR THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH
RADIATION CONTROL PROGRAM

Date 08/11/06

By Robert Walker
Robert Walker, Director

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