



INVISTA S.à r.l.  
25876 DuPont Road  
Seaford, DE 19973

May 22, 2009

**CERTIFIED / RETURN RECEIPT**

Licensing Assistant Section  
Nuclear Materials Safety Branch  
U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415  
Attn: Jenny Johansen

*Br 3*

2009 MAY 26 PM 12: 20

RECEIVED  
REGION 1

*03003865*

**INVISTA S.à r.l. Seaford Site**  
**Radioactive Materials License 07-03744-01**  
**Request to Terminate License and Decommission Facility**

Dear Ms. Johansen:

Pursuant to 10 CFR 20 Subpart E, INVISTA S.à r.l. Seaford Site is requesting termination of NRC Radioactive Materials License 07-03744-01 (Attachment A) and decommissioning of the INVISTA Seaford facility. Per NUREG-1757, Vol. 1, Rev. 2, Section 7, as a site with only sealed sources with proof of no leakage, the site qualifies for Group I decommissioning. The site followed the Licensee Actions identified in NUREG-1757, Vol. 1, Rev. 2, Section 8 and applicable referenced regulations when preparing this submittal.

- With this submittal, the INVISTA S.à r.l. Seaford Site is notifying the NRC that it has decided to permanently cease principle activities at the entire site per 10 CFR 30.36(d)(3).
- The Seaford site has transferred all specifically-licensed and generally-licensed material to authorized licensees in accordance with NRC requirements. See the following Attachments:

(B) Device transfer records for all specifically-licensed radioactive materials (23 sealed sources)

On March 25, 2009, these devices were transferred to:

Thermo Fisher Scientific  
1410 Gillingham Lane  
Sugar Land  
TX 77478

*143759*

NMSS/RGN1 MATERIALS-002

Contact: Angelica Guidry, Nuclear Services Specialist  
(713) 272-0404 or (800) 437-7979

(C) Thermo Fisher Scientific (Thermo Process Instruments subsidiary)  
Radioactive Materials License Number L03524

(D) May 5, 2009, letter to the State of Delaware. Notification of INVISTA Seaford transfer of specifically-licensed radioactive material devices, and termination request of INVISTA Seaford Site's Radioactive Materials Registration # 2136.

(E) Device transfer records for generally-licensed radioactive material (1 sealed source)

On February 27, 2009, this device was transferred to:

Ludlum Measurements Inc.

Attn: Bill Huckabee, Sales

501 Oak Street

Sweetwater, TX 79556

Contact: Rhonda Harris, Radiation Safety Officer

(713) 272-0404

(F) Ludlum Measurements Inc. Radioactive Materials License Number L01963

(G) March 10, 2009 notification to the NRC of INVISTA Seaford transfer of a generally-licensed radioactive material device

- The Seaford site has possessed only sealed sources. Per 10 CFR 30.36(j)(2), the site conducted a radiation survey on April 28, 2009, including locations where the sealed sources had been located prior to transfer and including background locations. The survey report demonstrates that radioactivity where sealed source radioactive materials were used or stored is not distinguishable from background radiation levels. The total effective dose equivalent (TEDE) will therefore not exceed 25 mrem/year. Per 10 CFR 30.36(j)(2)(ii), the survey meter used for the survey was an Eberline Model E-120, SN 12027. The meter was last calibrated by Duratek Instrument Services on January 26, 2009. It is next due for calibration on July 26, 2009. (Attachment H). The results of this survey qualify the Seaford Site for a license termination with unrestricted use per 10 CFR 20.1402 and NUREG-1757, Vol. 1, Rev. 2, Section 6.1.
- A current leak test was performed on all sealed sources prior to transfer. The leak tests demonstrated that there has been no leakage. (Attachment I) All previously conducted leak test results indicate that the radioactive sealed sources did not leak while in INVISTA Seaford's possession.
- The following decommissioning records will be retained for the Seaford Site if required:
  - Per 10 CFR 30.36, a Decommissioning Funding Plan is not required for license termination with unrestricted use. See Attachment J for supporting information.
  - Per 10 CFR 30.51, all transfer documents (previously attached)

- Per 10 CFR 30.35, a Decommissioning Plan. This plan is not required for Group I decommissionings per NUREG-1757, Vol. 1, Rev. 2, Section 7.3.
- Per 10 CFR 30.36(j)(1), an NRC Form 314, "Certificate of Disposition of Materials" is attached. (Attachment K) Written confirmation from the recipient of the specifically licensed sealed sources listed on Form 314 has been previously attached. (Attachment B)

INVISTA Seaford respectfully submits that site decommissioning is complete and that the facility is suitable for unrestricted release in accordance with NRC requirements:

Thank you for your consideration of this request. If you have further questions or need additional information, please contact Lisa Link at (302) 629-1086.

Sincerely,



Michael A. Terry  
EHS Manager

cc: Lisa Link  
S. R. Kimpton

Attachments:

- (A) INVISTA S.à r.l. Seaford Site NRC Radioactive Materials License 07-03744-01
- (B) Device transfer records for all specifically-licensed radioactive materials (23 sealed sources)
- (C) Thermo Fisher Scientific (Thermo Process Instruments subsidiary) Radioactive Materials License Number L03524
- (D) May 5, 2009, letter to the State of Delaware
- (E) Device transfer records for generally-licensed radioactive material (1 sealed source)
- (F) Ludlum Measurements Inc. Radioactive Materials License Number L01963
- (G) March 10, 2009 notification to the NRC
- (H) Radiation survey and survey meter calibration records
- (I) A current leak test
- (J) Decommissioning Funding Plan
- (K) NRC Form 314

**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.

<p>Licensee</p> <p>1. INVISTA Seaford Plant</p> <p>2. 25876 DuPont Road Seaford, Delaware 19973</p>	<p>In accordance with the letter dated June 28, 2007,</p> <p>3. License number 07-03744-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date November 30, 2013</p> <hr/> <p>5. Docket No. 030-03865 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium 137</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed Sources (Ohmart Model Nos. A-2102 or A-2104; General Radioisotope Model Nos. 850233, 6082, or GRP-6082; Gamma Industries (AEA Technologies) Model No. VD; New England Nuclear (DuPont Merck Pharmaceutical Co.) Model No. NER-570; Kay-Ray/Sensall Source Series Model No. 7700-50; Amersham/Searle Model No. CDC.701 or Isotope Products Model No. GFS-3)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p>
<p>9. Authorized use:</p> <p>A. To be used, for level detection, in fixed gauging devices that have been registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with a Commission or Agreement State specific license authorizing distribution to persons specifically authorized by a Commission or Agreement State license to receive, possess, and use the devices.</p>		

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
07-03744-01

Docket or Reference Number  
030-03865

Amendment No. 38

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at the Seaford Plant, 25876 DuPont Road, Seaford, Delaware.
11. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in the application dated October 23, 2003 and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.
12. The Radiation Safety Officer for this license is Elizabeth P. Link.
13. 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.
14. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.
15.
  - 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 under equivalent regulations of an Agreement State.
  - B. 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 under equivalent regulations of 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.
  - C. 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.
  - D. 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.

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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- E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other 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 U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
16. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all 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.
17. 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.
18. The following services shall not be performed by the licensee: installation, initial radiation surveys, relocation, removal from service, dismantling, alignment, replacement, disposal of the sealed source and non-routine maintenance or repair of components related to the radiological safety of the gauge (i.e., the sealed source, the source holder, source drive mechanism, on-off mechanism (shutter), shutter control, shielding). 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.
19. The licensee may initially mount a gauge if permitted by the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and under the following conditions:
- A. The gauge must be mounted in accordance with written instructions provided by the manufacturer;
- B. The gauge must be mounted in a location compatible with the "Conditions of Normal Use" and "Limitations and/or Other Considerations of Use" in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State;
- C. The on-off mechanism (shutter) must be locked in the off position, if applicable, or the source must be otherwise fully shielded;

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- D. The gauge must be received in good condition (i.e., package was not damaged); and
- E. The gauge must not require any modification to fit in the proposed location.

Mounting does not include electrical connection, activation or operation of the gauge. The source must remain fully shielded and the gauge may not be used until it is installed and made operational by a person specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such operations.

20. A. The licensee may maintain, repair, or replace device components that are not related to the radiological safety of the device 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.
21. 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. Nuclear Regulatory Commission or an Agreement State.
22. 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.
23. The licensee shall assure that the shutter mechanism, for each device containing licensed material, 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.
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."

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License Number

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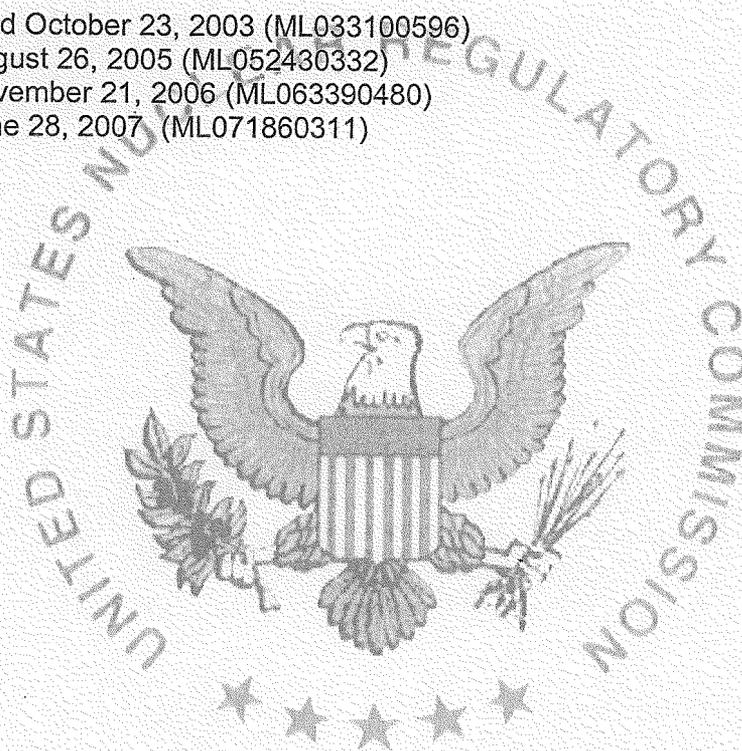
Docket or Reference Number

030-03865

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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 23, 2003 (ML033100596)
- B. Letter dated August 26, 2005 (ML052430332)
- C. Letter dated November 21, 2006 (ML063390480)
- D. Letter dated June 28, 2007 (ML071860311)



For the U.S. Nuclear Regulatory Commission

Date July 6, 2007

By

***Original signed by Jenny Johansen***

Jenny Johansen  
Materials Security and Industrial Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

Friday, July 06, 2007 1:41:07 PM

**ThermoFisher**  
SCIENTIFIC

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in serving science

### ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL

March 25, 2009

Jackie Globke  
Ohmart/Vega Corp.  
4241 Allendorf Drive  
Cincinnati, OH 45209

RMA Number 31049

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
KAY-RAY/SENSALL	7051	1660	Cs-137	K196	1000 mCi	10/1/1974
KAY-RAY/SENSALL	7051	1661	Cs-137	K194	1000 mCi	10/1/1974
KAY-RAY/SENSALL	7063	22277	Cs-137	GM8892	50 mCi	2/1/1983
KAY-RAY/SENSALL	7067	8095	Cs-137	SR-578	2000 mCi	3/1/1976
KAY-RAY/SENSALL	7067	9466	Cs-137	66707	2000 mCi	12/1/1977
OHMART	HM-8	42003	Cs-137	42003	300 mCi	2/1/1961
OHMART	HM-8	42004	Cs-137	42004	300 mCi	2/1/1961
OHMART	HM-8	46985	Cs-137	46985	150 mCi	9/1/1962
OHMART	HM-8	47746	Cs-137	47746	300 mCi	12/1/1962
OHMART	HM-8	47739	Cs-137	47739	300 mCi	12/1/1962
OHMART	HM-8	47744	Cs-137	47744	300 mCi	12/1/1962
OHMART	HM-8	47745	Cs-137	47745	300 mCi	12/1/1962
OHMART	HM-8	60627	Cs-137	60627	300 mCi	3/1/1969
OHMART	HM-8	60628	Cs-137	60628	300 mCi	3/1/1969

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Acknowledgment for RMA Number 31049

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OHMART	HM-8	60629	Cs-137	60629	300 mCi	3/1/1969
OHMART	HM-8	60630	Cs-137	60630	300 mCi	3/1/1969
OHMART	HM-8	6065	Cs-137	6065	300 mCi	12/1/1965
OHMART	HM-8	6105	Cs-137	6105	300 mCi	3/1/1966
OHMART	HM-8	6107	Cs-137	6107	300 mCi	3/1/1966
OHMART	HM-8	6109	Cs-137	6109	300 mCi	3/1/1966
OHMART	HM-8	6129	Cs-137	6129	100 mCi	3/1/1966
OHMART	HM-8	O-459	Cs-137	O-459	150 mCi	6/1/1966
OHMART	HM-8	O-713	Cs-137	O-713	150 mCi	7/1/1966
Summary (23 sources)					10800 mCi	

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

**STRAIGHT BILL OF LADING - SHORT FORM**  
ORIGINAL - NOT NEGOTIABLE

1 of 1

ST Trans (Name of Carrier)

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

From: **INVISTA**  
Company

Address: **25876 DuPont Road**  
**Seaford, DE 19973**

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 Thermo Fischer Scientific  
Destination 1410 Gillingham Lane, Sugar Land, TX 77478  
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
1016 2016 3016 4016 5016 6016	RQ	UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 1 PLT STC 4 CASKS	1240	Cs-137	222 GBq 6000 mCi	0.1	Yellow II
	RQ	UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 1 PLT STC 4 CASKS	750	Cs-137	44.4 GBq 1200 mCi	0.1	Yellow II
	RQ	UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 1 PLT STC 4 CASKS	762	Cs-137	37 GBq 1000 mCi	0.1	Yellow II
	RQ	UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 1 PLT STC 4 CASKS	704	Cs-137	44.4 GBq 1200 mCi	0.1	Yellow II
	X	UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 1 PLT STC 4 CASKS	656	Cs-137	29.6 GBq 800 mCi	0.1	Yellow II
	X	UN 2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 1 PLT STC 3 CASKS	630	Cs-137	22.2 GBq 600 mCi	0.1	Yellow II
			ERG-163				

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: 302-629-1241

SHIPPER'S REF. NO. 6106402-8695  
MATERIAL RETURN AUTHORIZATION NO. RMA# 31049  
Thrd Party Bill To: \_\_\_\_\_  
Prepaid  Collect   
Class 7 placards  
Seal # 399020

SIGNATURE OF PERSON PREPARING THE SHIPMENT Maul A. Colin

NAME OF SHIPPER/OWNER Elizabeth Link RECEIVED BY \_\_\_\_\_

Permanent post office address of shipper: 25876 DuPont Road  
Seaford, DE 19973 Received date \_\_\_\_\_

Shipper's Signature Elizabeth P Link Date signed 2-16-09

Transporter name SJ TRANSPORTATION CO INC Signature: [Signature]  
Date: 2-16-09



ERG-163

4241 Allandorf Drive  
Cincinnati, Ohio 45209  
513.272.0121 Fax 513.272.4861  
e-mail mcconnell@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<sub>2</sub>, 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>



# LEAK TEST AND SOURCE HOLDER REPORT

Field Service Order Number:  
6106402-6695

Customer: INVISTA

TESTED BY Mark Cornelissen DATE 9-Feb-09

Address: 25876 DuPont Road

RSO Lisa Link

Customer P.O. Number:  
3800532200

Seaford, DE 19973

PHONE NO. 432-640-8344

Attn: Lisa Link

FAX NO. \_\_\_\_\_

E-MAIL Elizabeth.P.Link@invista.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	?	Cs-137	46985	150	HM-8	Apr-63	(#4) BCF Line 1 Reactor	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
2	?	Cs-137	O-713	150	HM-8	9/667	(#5) BCF Line 1 Reactor #2	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
3	15303-6	Cs-137	O-459	150	HM-8	Jun-66	(#10) BCF Line II Reactor #1	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
4	15303-5	Cs-137	6129	100	HM-8	Jun-66	(#11) BCF Line II Reactor #2	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
5	15303-3	Cs-137	6107	300	HM-8	Jun-66	(#12) BCF Line II South Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
6	15303-4	Cs-137	6109	300	HM-8	Jun-66	(#13) BCF Line II North Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
7	40821-2	Cs-137	60628	300	HM-8	Jul-69	(#17) Staple North Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
8	40821-3	Cs-137	60629	300	HM-8	Jul-69	(#18) Staple South Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
9	40821-4	Cs-137	60630	300	HM-8	Jul-69	(#19) Staple North Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
10	40821-1	Cs-137	60627	300	HM-8	Jul-69	(#20) Staple South Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
11	KayRay	Cs-137	22277	50	7063	Feb-83	(#42) Staple CP Reactor	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
12												
13												
14												
15												

Leak Test Frequency  6 months  Yearly  Every 3 years  Other RMA# 31049

Attachment B, p. 5 of 21



# LEAK TEST AND SOURCE HOLDER REPORT

Field Service Order Number: 6106402-6695  
 Customer: INVISTA

TESTED BY Mark Cornelissen DATE 10-Feb-09

Address: 25876 DuPont Road

RSO Lisa Link

Customer P.O. Number: 3800532200  
 Attn: Lisa Link

PHONE NO. 432-640-8344

FAX NO. \_\_\_\_\_

E-MAIL Elizabeth.P.Link@invista.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	236	Cs-137	42003	300	HM-8	Dec-61	(#2) Spare - In Storage	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
2	236	Cs-137	42004	300	HM-8	Dec-61	(#3) Spare - In Storage	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
3	713	Cs-137	47739	300	HM-8	Apr-63	(#6) BCF Line I South Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
4	713	Cs-137	47744	300	HM-8	Apr-63	(#7) BCF Line I North Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
5	713	Cs-137	47745	300	HM-8	Apr-63	(#8) BCF Line I South Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
6	713	Cs-137	47746	300	HM-8	Apr-63	(#9) BCF Line I North Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
7	15303-1	Cs-137	6065	300	HM-8	Jun-66	(#14) BCF Line II South Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
8	15303-2	Cs-137	6105	300	HM-8	Jun-66	(#15) BCF Line II North Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
9	KayRay	Cs-137	1660	1000	7051	Oct-74	(#21) Staple SM21 Evap.	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
10	KayRay	Cs-137	8095	2000	7067	Apr-78	(#22) Staple SM21 Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
11	KayRay	Cs-137	1661	1000	7051	Oct-74	(#24) Staple SM22 Evap.	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
12	KayRay	Cs-137	9466	2000	7067	Feb-78	(#36) Staple SM22 Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
13	Ludlum	Cs-137	N/A	50 uCi	299	May-84	(#41) Analyzer	Yes	Neg	N/A	No Rust/Corrosion	Legible
14												
15												

Leak Test Frequency

- 6 months   
  Yearly   
  Every 3 years   
  Other

RMA# 31049

# Ohmart/VEGA Corp.

## Leak Test Report

1031 ID

[elizabeth.p.link@invista.com](mailto:elizabeth.p.link@invista.com) E-mail

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

**Customer Information:** Elizabeth P Link  
Invista S.A.R.L.  
25876 DuPont Road  
Seaford, DE 19973

Analyzed By: Aaron Tiernan  
Equipment #: NS-0095  
Calibration Due: 7/23/2009  
Analysis Date: 2/16/2009  
Sources Analyzed: 24

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
42003	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
42004	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
PRO17302	Cs-137	0.05	Ludlum 299	Transfer	< 0.005 (µCi)	2/10/2009		
46985	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
0-713	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
47739	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47744	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47745	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47746	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
0-459	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6129	Cs-137	100	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6107	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6109	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6065	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
6105	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
60628	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
60629	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		

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
60630	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
60627	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
1660	Cs-137	1000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
8095	Cs-137	2000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
1661	Cs-137	1000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
9466	Cs-137	2000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
22277	Cs-137	50	7051	Transfer	< 0.005 (µCi)	2/9/2009		

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

Caron Gernan      2/16/09      James Keehan      2/17/09  
Analyzed By      Analyze Date      Reviewed By      Review Date

ECO NUMBER	BYN	RCYMON	IT	CR

F.S. # 6106402-6695

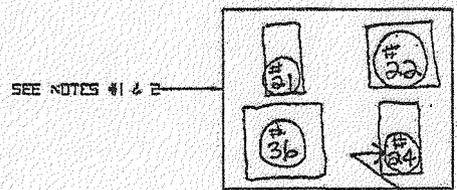
HIGHEST SURFACE FIELD 0.6 mR/hr

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

MRA # RMA# 31049

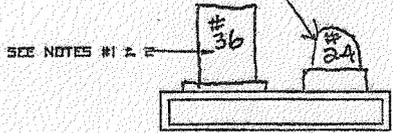
TRANSPORT INDEX 0.1

SKID # 1



SEE NOTES #1 & 2

Highest Field  
0.6 mR/hr



SEE NOTES #1 & 2

#1 SO/CO # KayRay (#21)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL 7051  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 1000 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 1660  
 ORIGINAL SHIP DATE Oct-74  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#3 SO/CO # KayRay (#36)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL 7067  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 2000 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 9466  
 ORIGINAL SHIP DATE Feb-78  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#2 SO/CO # KayRay (#22)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL 7067  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 2000 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 8095  
 ORIGINAL SHIP DATE Apr-78  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#4 SO/CO # KayRay (#24)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL 7051  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 1000 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 1661  
 ORIGINAL SHIP DATE Oct-74  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

**Survey Meter**  
 MFG. SE International  
 Model # INSPECTOR  
 Serial # 15572  
 Last Calibration Date 8/14/2008  
 Survey By Mark Cornelissen Date 2/10/2009

**LABELING**  
 DOT TYPE 7A PACKAGE Yes  
 OVERPACK No  
 HAZARDOUS MATERIAL IDENTIFICATION Yes  
 WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)  
 YELLOW II 0.6 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.

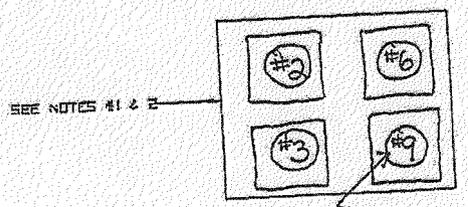
USER NAME INVISTA  
 USER ADDRESS 28876 DuPont Road  
Seaford, DE 19973  
 P. O. # 3800532200  
 CONTACT Elizabeth Link  
 TELEPHONE # 302-629-1086

OHMART  
 4241 Alandorf Drive  
 Cincinnati, Ohio 45209 USA  
 RETURNED - SOURCE PACKAGE  
 RADIATION FIELD SURVEY  
 THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO OHMART. NEITHER THIS DOCUMENT NOR THE INFORMATION DISCLOSED HEREIN SHALL BE USED OR DISCLOSED TO OTHERS FOR MANUFACTURING OR ANY OTHER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY OHMART. THIS DOES NOT APPLY TO INFORMATION FURNISHED BY VENDORS OR OTHERS OUTSIDE OHMART.

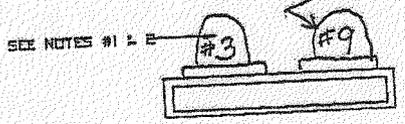
F.S. # 6106402-6695  
MRA # RMA#31049  
SKID # 2

HIGHEST SURFACE FIELD (SEE NOTE #3) 0.7  
TRANSPORT INDEX (SEE NOTE #3) 0.1

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



Highest Field  
0.7 mR/hr



#1 SO/CO # 236 (#2)  
SOURCE HOLDER LOCKED "OFF" Yes  
SOURCE HOLDER MODEL HM-8  
SOURCE MATERIAL Cs-137  
SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
SOURCE SERIAL # 42003  
ORIGINAL SHIP DATE Dec-61  
GROSS CONTAMINATION CHECKED Yes  
LEAK TEST PERFORMED Yes

#3 SO/CO # 236 (#3)  
SOURCE HOLDER LOCKED "OFF" Yes  
SOURCE HOLDER MODEL HM-8  
SOURCE MATERIAL Cs-137  
SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
SOURCE SERIAL # 42004  
ORIGINAL SHIP DATE Dec-61  
GROSS CONTAMINATION CHECKED Yes  
LEAK TEST PERFORMED Yes

#2 SO/CO # 713 (#5)  
SOURCE HOLDER LOCKED "OFF" Yes  
SOURCE HOLDER MODEL HM-8  
SOURCE MATERIAL Cs-137  
SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
SOURCE SERIAL # 47739  
ORIGINAL SHIP DATE Apr-63  
GROSS CONTAMINATION CHECKED Yes  
LEAK TEST PERFORMED Yes

#4 SO/CO # 713 (#9)  
SOURCE HOLDER LOCKED "OFF" Yes  
SOURCE HOLDER MODEL HM-8  
SOURCE MATERIAL Cs-137  
SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
SOURCE SERIAL # 47746  
ORIGINAL SHIP DATE Apr-63  
GROSS CONTAMINATION CHECKED Yes  
LEAK TEST PERFORMED Yes

Survey Meter  
MFG. SE International  
Model # INSPECTOR  
Serial # 15572  
Last Calibration Date 8/14/2008  
Survey By Mark Cornelissen Date 2/10/2009

LABELING  
DOT TYPE 7A PACKAGE Yes  
OVERPACK No  
HAZARDOUS MATERIAL IDENTIFICATION Yes  
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)  
YELLOW II 0.7 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 INVISTA  
USER ADDRESS 25876 DuPont Road  
Seaford, DE 19973  
P. O. # 3800532200  
CONTACT Elizabeth Link  
TELEPHONE # 302-629-1086

ONMART  
4241 Abensford Drive  
Cincinnati, Ohio 45208 USA  
RETURNED - SOURCE PACKAGE  
RADIATION FIELD SURVEY  
THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO ONMART. WITHIN THIS DOCUMENT NOT THE INFORMATION DISCLOSED HEREIN SHALL BE USED OR ENCLOSED TO OTHERS FOR MANUFACTURING OR ANY OTHER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY ONMART.

ECO NUMBER	SYM	REVISION	BY	Checked
1				

F.S. # 6106402-5695

HIGHEST SURFACE FIELD 1.7

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

MRA # RMA# 31049

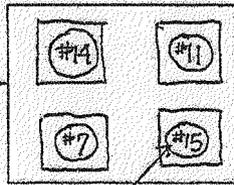
(SEE NOTE #3) TRANSPORT INDEX 0.1

SKID # 3

#1 SO/CO # 15303-1 (#14)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 6065  
 ORIGINAL SHIP DATE Jun-66  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#3 SO/CO # 713 (#7)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 47744  
 ORIGINAL SHIP DATE Apr-63  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

SEE NOTES #1 & 2



Highest Field

1.7 mR/hr

SEE NOTES #1 & 2



#2 SO/CO # 15303-5 (#11)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 100 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 6129  
 ORIGINAL SHIP DATE Jun-66  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#4 SO/CO # 15303-2 (#15)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 6105  
 ORIGINAL SHIP DATE Jun-66  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

Survey Meter

MFG. SE International  
 Model # INSPECTOR  
 Serial # 15572  
 Last Calibration Date 8/14/2008  
 Survey By Mark Cornelissen Date 2/10/2009

LABELING

DOT TYPE 7A PACKAGE Yes  
 OVERPACK No  
 HAZARDOUS MATERIAL IDENTIFICATION Yes  
 WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)  
 YELLOW II 1.7 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 INVISTA  
 USER ADDRESS 25876 DuPont Road  
Seaford, DE 19973  
 P. O. # 3600532200  
 CONTACT Elizabeth Link  
 TELEPHONE # 302-629-1086

OHMART

4241 Alford Drive  
 Cincinnati, Ohio 45209 USA  
 OHMART  
 RETURNED - SOURCE PACKAGE  
 RADIATION FIELD SURVEY

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Manufacturer: SEI Model: INSPECTOR Serial: 15572 Date: 2/10/2009 C-28508

EOD NUMBER	REV	REVISION	LD	Created
			DATE	TIME
1				

F.S. # 8106402-6695

HIGHEST SURFACE FIELD (SEE NOTE #3) 0.6

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

MRA # RMA# 31049

TRANSPORT INDEX (SEE NOTE #3) 0.1

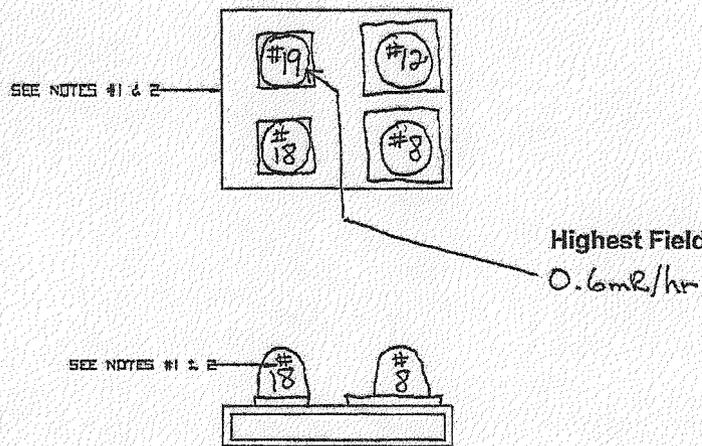
SKID # 4

#1 SO/CO # 40821-4 (#19)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 60830  
 ORIGINAL SHIP DATE Jul-69  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#3 SO/CO # 40821-3 (#18)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 60829  
 ORIGINAL SHIP DATE Jul-69  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#2 SO/CO # 15303-3 (#12)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 6107  
 ORIGINAL SHIP DATE Jun-66  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#4 SO/CO # 713 (#8)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 47745  
 ORIGINAL SHIP DATE Apr-63  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes



**Survey Meter**  
 MFG. SE International  
 Model # INSPECTOR  
 Serial # 15572  
 Last Calibration Date 8/14/2008  
 Survey By Mark Cornelissen Date 2/10/2009

**LABELING**  
 DOT TYPE 7A PACKAGE Yes  
 OVERPACK No  
 HAZARDOUS MATERIAL IDENTIFICATION Yes  
 WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)  
 YELLOW II 0.6 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 INVESTA  
 USER ADDRESS 25876 DuPont Road  
Seaford, DE 19973  
 P. O. # 3800532200  
 CONTACT Elizabeth Link  
 TELEPHONE # 302-629-1086

DATE OF SURVEY	
SHIPPING NUMBER	<u>58506</u>
<b>OHMART</b>	<u>#241 Alford Drive</u> <u>Chillicothe, Ohio 45626 USA</u>
RETURNED - SOURCE PACKAGE RADIATION FIELD SURVEY	
THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO OHMART. NEITHER THIS DOCUMENT NOR THE INFORMATION DISCUSSED HEREIN SHALL BE USED OR DISCLOSED TO OTHERS FOR MANUFACTURING OR ANY OTHER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY OHMART.	
REVISED	C-01109

ECN NUMBER	BY	REVISION	BY	Checked
1				

F.S. # 6106402-8695

HIGHEST SURFACE FIELD 0.7

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

MRA # RMA# 31049

TRANSPORT INDEX 0.1

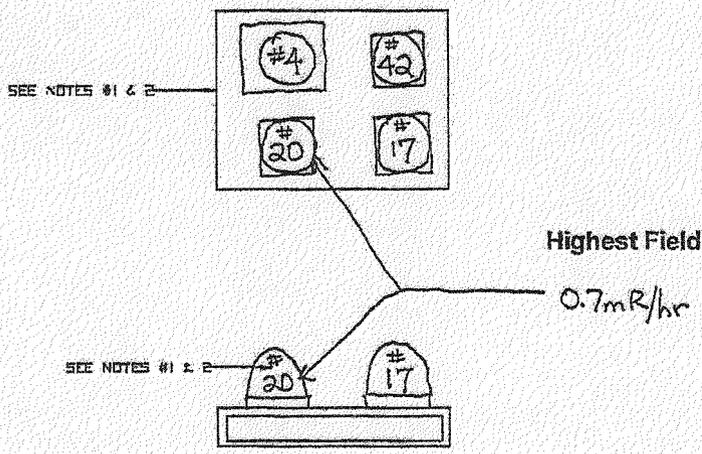
SKID # 5

#1 SO/CO # 7 (#4)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-3  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 150 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 46985  
 ORIGINAL SHIP DATE Apr-68  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#3 SO/CO # 40821-1 (#20)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-3  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 60627  
 ORIGINAL SHIP DATE Jul-69  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#2 SO/CO # KayRay (#42)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL 7063  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 50 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 22277  
 ORIGINAL SHIP DATE Feb-83  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#4 SO/CO # 40821-2 (#17)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-3  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0,037GBq)  
 SOURCE SERIAL # 60628  
 ORIGINAL SHIP DATE Jul-69  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes



**Survey Meter**  
 MFG. SE International  
 Model # INSPECTOR  
 Serial # 15572  
 Last Calibration Date 8/14/2006  
 Survey By Mark Cornelissen Date 2/10/2009

**LABELING**  
 DOT TYPE 7A PACKAGE Yes  
 OVERPACK No  
 HAZARDOUS MATERIAL IDENTIFICATION Yes  
 WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)  
 YELLOW II 0.7 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 INVISTA  
 USER ADDRESS 25876 DuPont Road  
Seaford, DE 19973  
 P. O. # 3800532200  
 CONTACT Elizabeth Link  
 TELEPHONE # 302-629-1086

OHMART BR 100824  
 GRADING RANGE 58508  
**OHMART** 4241 Alford Drive  
 Cincinnati, Ohio 45209 USA  
 RETURNED - SOURCE PACKAGE  
 RADIATION FIELD SURVEY  
 THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO OHMART. NEITHER THIS DOCUMENT NOR THE INFORMATION DISCLOSED HEREIN SHALL BE USED OR DISCLOSED TO OTHERS FOR MANUFACTURING OR ANY OTHER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY OHMART.

EDD NUMBER	REV	REVISION	BY	CHECKED
1		ADDITIONAL SURVEY INFORMATION	EVANS	

F.S. # 6108402-6695

HIGHEST SURFACE FIELD (SEE NOTE #3) 1.3

SOURCE HOLDER(S) PACKED ON SKID 3 IN BOX N/A

MRA # RMA# 31049

TRANSPORT INDEX (SEE NOTE #3) 0.1

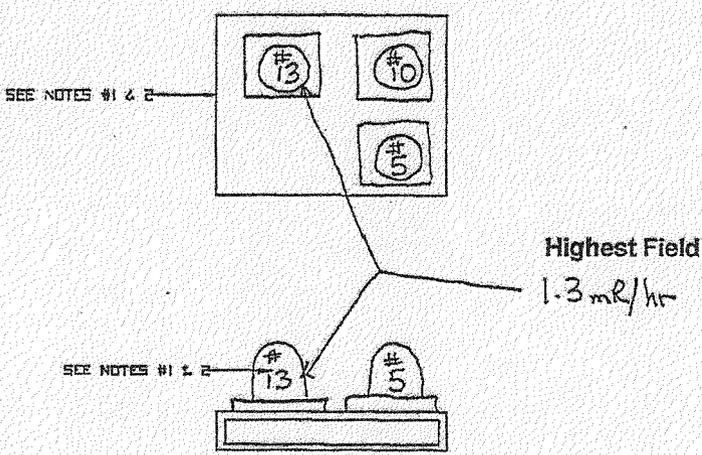
SKID # 6

#1 SO/CO # 15303-4 (#13)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 300 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # 6109  
 ORIGINAL SHIP DATE Jun-86  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#3 SO/CO # 7 (#5)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 150 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # Q-713  
 ORIGINAL SHIP DATE 9/66?  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#2 SO/CO # 15303-6 (#10)  
 SOURCE HOLDER LOCKED "OFF" Yes  
 SOURCE HOLDER MODEL HM-8  
 SOURCE MATERIAL Cs-137  
 SOURCE ACTIVITY 150 mCi (1 mCi=0.037GBq)  
 SOURCE SERIAL # Q-459  
 ORIGINAL SHIP DATE Jun-86  
 GROSS CONTAMINATION CHECKED Yes  
 LEAK TEST PERFORMED Yes

#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. SE International  
 Model # INSPECTOR  
 Serial # 18572  
 Last Calibration Date 8/14/2008  
 Survey By Mark Cornelissen Date 2/10/2009

**LABELING**  
 DOT TYPE 7A PACKAGE Yes  
 OVERPACK No  
 HAZARDOUS MATERIAL IDENTIFICATION Yes  
 WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)  
 YELLOW II 1.3 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 READINGS 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 INVISTA  
 USER ADDRESS 25876 DuPont Road  
Seaford, DE 19973  
 P. O. # 3800532200  
 CONTACT Elizabeth Link  
 TELEPHONE # 302-629-1086

OHMART  
 4241 Allender Drive  
 Cincinnati, Ohio 45208 USA  
 RETURNED - SOURCE PACKAGE  
 RADIATION FIELD SURVEY

THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO OHMART. NEITHER THIS DOCUMENT NOR THE INFORMATION DISCLOSED HEREIN SHALL BE USED OR DISCLOSED TO OTHERS FOR MANUFACTURING OR ANY OTHER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY OHMART.

**Evaluation and Testing of Source Holders for Compliance With  
Dot Spec. 7A Requirements for Ohmart Source Holders**

Models SH-F,SHD,SHLG,SR,SHRD,MDTS,SHLM-B&BR,SHLM-C&CR&CP,SHRM-B&BW, HM-8

This document is a review of the testing and evaluation that was performed on all models of Ohmart source holders. These source holders use only ANSI rated sealed source capsules. Materials of construction consist of a cast steel or welded steel and lead filled housing. The source capsule assembly is held in place with a threaded plug or other tamper proof retainer.

**49 CFR - Part 173.410    General design requirements  
(Items A through H)**

The source holder is designed to meet or exceed all design requirements and considerations as listed in 49 CFR, Part 173.410.

**49 CFR - part 173.412    Additional design requirements for Type A Packages.**

- (d) The label is riveted over the loading port or safety wires and seals are placed through the heads of the bolts.
- (s) All external overall dimensions on this package are greater than 10 centimeters (4 inches).
- (t) The temperature range of -40° C to 70° C is well within the operating range of these materials. There are no internal or external stresses induced on this source holder that would create brittle fracture, nor would there be any loss of shielding.
- (u) This package is designed for solid sealed sources. There is no contained air space that could allow for the build up of pressure. These source holders have provisions for a padlock, when in the off position, which would require being removed to open the shutter.
- (v) The cast steel or welded steel and lead construction of these devices has shown no radiolytic decomposition in over forty years of use.
- (w) The containment system will retain the radioactive contents under loss of ambient pressure because the material is a solid sealed source capsule and there is no pressure containing area. The source holder will retain its shape with no affect to the internal cavity at a reduced pressure of 25 kPa (3.6 pounds per square inch).
- (x) There are no valves on the package.
- (y) The type of construction, solid castings or welded steel, retains consistent shielding. The radiation label covers the access hole to the source. Therefore, access to the source is not visible and removal of the label is prohibited. When the radiation label is in place, no shielding or contents can be removed from the source holder.
- (z) External tie down attachments to these source holders will not affect the ability of these source holders to meet all the requirements of this subpart.
- (aa) When subjected to the tests and requirements specified in Part 173.465 or evaluated by methods authorized in Part 173.461, the source holder will prevent loss or dispersal of the radioactive contents, and will have no significant increase in the surface radiation field of the source holder.
- (bb) These source holders are to be used for radioactive source capsules that contain solid material only.
- (cc) These source holder are to be used for radioactive source capsules that contain solid material only.

49 CFR - Part 173.465 Type A packaging tests

- (dd) These source holders are capable of withstanding all test prescribed in the section. Representative samples of each model have been tested or evaluated.
- (ee) Water Spray Test: All the external surfaces of these source holders are made of solid construction castings and carbon steel. This material is non-hygroscopic. Water spray simulating 2 inches of rain per hour will have no affect on these source holders.
- (ff) Free Drop Test: Representative samples of each model were dropped several times and onto different sides from a height of four feet onto a non-yielding surface. These tests did not reveal any damage affecting the safety or usability of these source holder. Photographs documented these tests.
- (gg) Stacking test: The main housing of the source holders is fabricated of solid construction castings or lead filled carbon steel. If placed under a load five times the weight of the source holder, there is not enough internal cavity to collapse that would reduce the shielding capability of the unit.
- (hh) Penetration test: A bar of 3.2 centimeters (1.25 inches) in diameter with a hemispherical end, weighing 6 kilograms (13.2 pounds) was dropped with its longitudinal axis vertical onto the top surface and onto the sides of representative samples of each model. These tests did not reveal any damage that would affect the safety or usability of these source holders.



George Brown  
Radiation Safety Officer  
January 12, 2000

**Evaluation and Testing of Source Holders for Compliance With  
Dot Spec. 7A Requirements for Welded Steel lead filled devices manufactured by  
other manufacturers**

This document is a review of the testing and evaluation that was performed on models of source holders manufactured by companies other than Ohmart/VEGA. These source holders use only ANSI rated sealed source capsules. Materials of construction consist of a cast steel or welded steel and lead filled housing. The source capsule assembly is held in place with a threaded plug or other tamper proof retainer. All of these devices are similar in design and have the same characteristics as the various models of Ohmart/VEGA designs. The shipper is required to inspect each container and verify that there is no excessive rust or corrosion. The shutter mechanism must be lock or secured with other tamper proof methods to prevent the shutter from opening.

**49 CFR - Part 173.410    General design requirements  
(Items A through H)**

The source holder is designed to meet or exceed all design requirements and considerations as listed in 49 CFR, Part 173.410.

**49 CFR - part 173.412    Additional design requirements for Type A Packages.**

- (a) The label is riveted over the loading port or safety wires and seals are placed through the heads of the bolts.
- (b) All external overall dimensions on this package are greater than 10 centimeters (4 inches).
- (c) The temperature range of -40° C to 70° C is well within the operating range of these materials. There are no internal or external stresses induced on this source holder that would create brittle fracture, nor would there be any loss of shielding.
- (d) This package is designed for solid sealed sources. There is no contained air space that could allow for the build up of pressure. These source holders have provisions for a padlock, when in the off position, which would require being removed to open the shutter.
- (e) The cast steel or welded steel and lead construction of these devices has shown no radiolytic decomposition in over forty years of use.
- (f) The containment system will retain the radioactive contents under loss of ambient pressure because the material is a solid sealed source capsule and there is no pressure containing area. The source holder will retain its shape with no affect to the internal cavity at a reduced pressure of 25 kPa (3.6 pounds per square inch).
- (g) There are no valves on the package.
- (h) The type of construction, solid castings or welded steel, retains consistent shielding. The radiation label covers the access hole to the source. Therefore, access to the source is not visible and removal of the label is prohibited. When the radiation label is in place, no shielding or contents can be removed from the source holder.
- (i) External tie down attachments to these source holders will not affect the ability of these source holders to meet all the requirements of this subpart.
- (j) When subjected to the tests and requirements specified in Part 173.465 or evaluated by methods authorized in Part 173.461, the source holder will prevent loss or dispersal of the radioactive contents, and will have no significant increase in the surface radiation field of the source holder.

- (k) These source holders are to be used for radioactive source capsules that contain solid material only.
- (l) These source holder are to be used for radioactive source capsules that contain solid material only.

**49 CFR - Part 173.455 Type A packaging tests**

- (m) These source holders are capable of withstanding all test prescribed in the section. Representative samples of various models have been tested or evaluated.
- (n) **Water Spray Test:** All the external surfaces of these source holders are made of solid construction castings and carbon steel. This material is non-hygroscopic. Water spray simulating 2 inches of rain per hour will have no affect on these source holders.
- (o) **Free Drop Test:** Representative samples of various designs were dropped several times and onto different sides from a height of four feet onto a non-yielding surface. These tests did not reveal any damage affecting the safety or usability of these source holders. Photographs documented these tests.
- (p) **Stacking test:** The main housing of the source holders is fabricated of solid construction castings or lead filled carbon steel. If placed under a load five times the weight of the source holder, there is not enough internal cavity to collapse that would reduce the shielding capability of the unit.
- (q) **Penetration test:** A bar of 3.2 centimeters (1.25 inches) in diameter with a hemispherical end, weighing 6 kilograms (13.2 pounds) was dropped with its longitudinal axis vertical onto the top surface and onto the sides of representative samples of each model. These tests did not reveal any damage that would affect the safety or usability of these source holders.

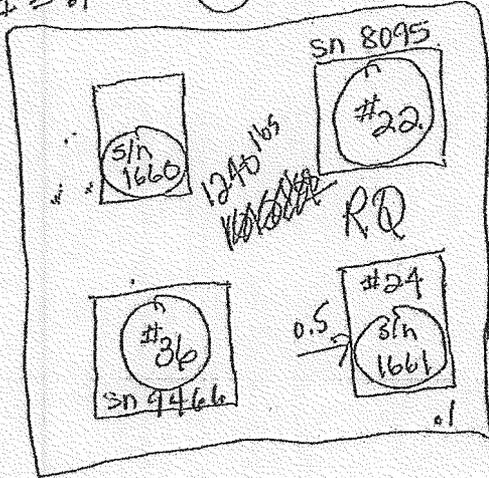


George Brown  
Radiation Safety Officer  
June 24, 2003



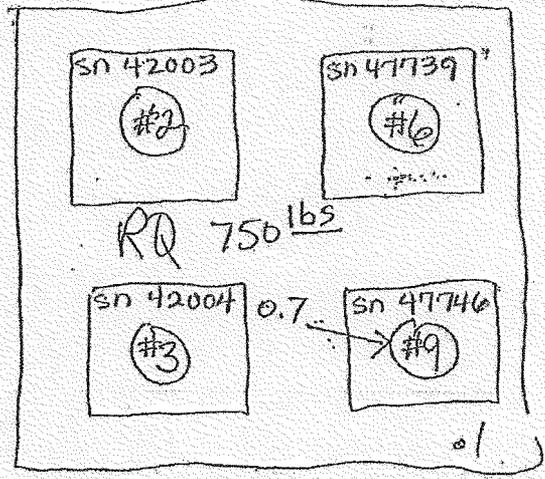
Attachment B, p. 19 of 21

Surface = 1 Smelting  
TI = 0.1 (1) Kay Rays

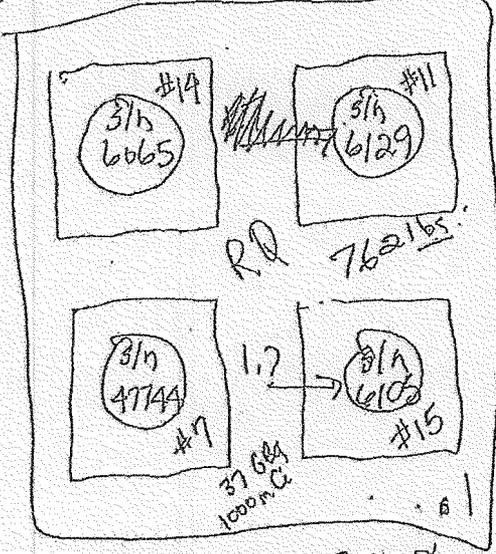


Q 21  
1240  
750  
762  
704  
656  
630  
4514  
228  
4742

Surface 0.7  
TI 0.1 HM-8's (2)

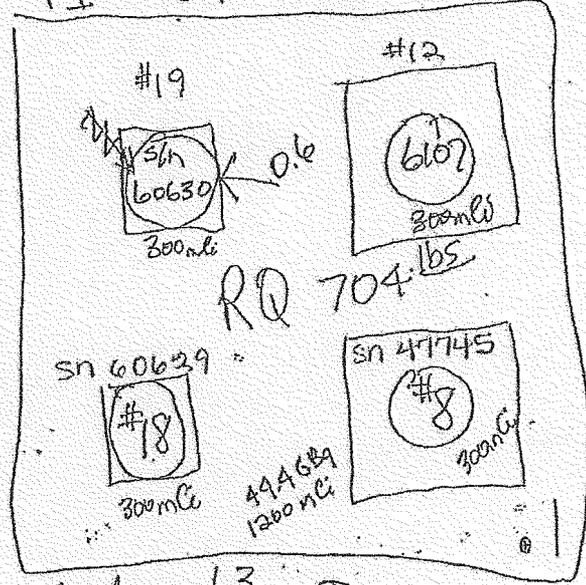


Surface 1.7  
TI 0.1 (3) HM-8's

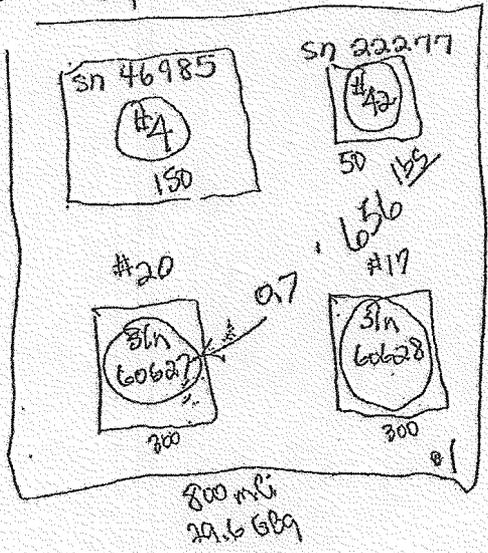


6106402-6695  
RMA# 31049

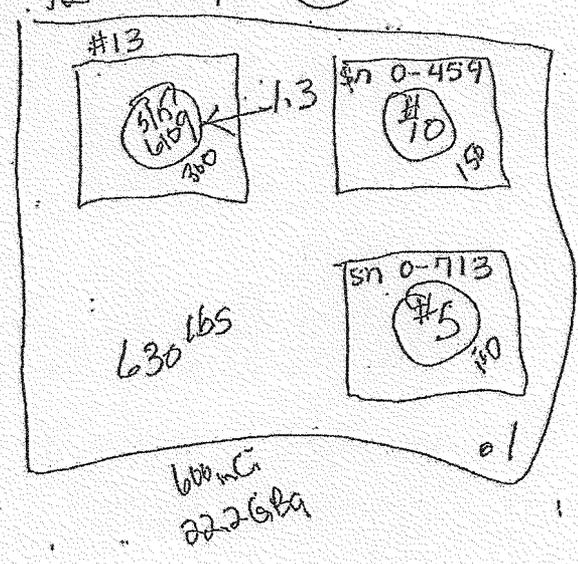
Surface 0.6  
TI 0.1 (4) HM-8's



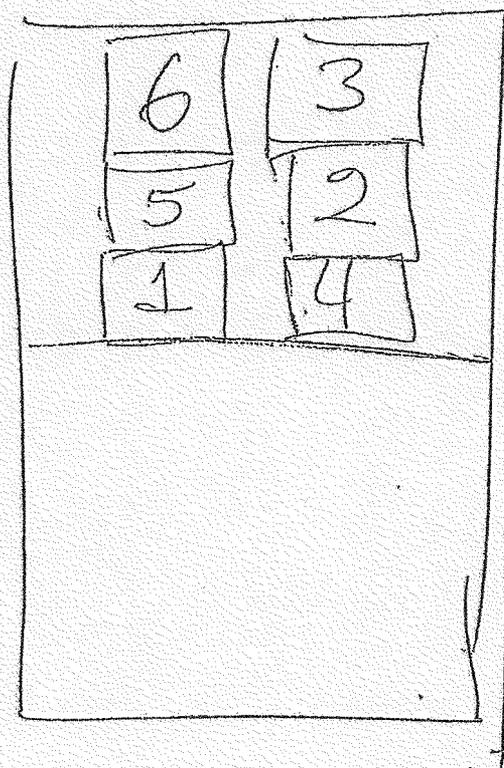
Surface 0.7  
TI 0.1 (5) 3 HM8's  
1 KR



Surface 1.3  
TI 0.1 (6)



loading 2-16-09





## Department of State Health Services

**RADIOACTIVE MATERIAL LICENSE**

Pursuant to the Texas Radiation Control Act and Texas Department of State Health Services (Agency) regulations on radiation, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Agency now or hereafter in effect and to any conditions specified below.

**LICENSEE**

1. Name **THERMO PROCESS INSTRUMENTS LP  
A SUBSIDIARY OF THERMO FISHER  
SCIENTIFIC INC  
ATTN MICHAEL J FONTENOT**

2. Address **1410 GILLINGHAM LN  
SUGAR LAND TX 77478**

This license is issued in response to a letter

Dated: **October 17, 2008**Signed by: **Michael Fontenot**

3. License Number

**L03524**

Amendment Number

**79****PREVIOUS AMENDMENTS ARE VOID**

4. Expiration Date

**December 31, 2017****RADIOACTIVE MATERIAL AUTHORIZED**

5. Radioisotope	6. Form of Material	7. Maximum Activity*
A. Am-241	A. Sealed sources	A. 390 Ci
B. Ba-133	B. Sealed sources	B. 100 mCi
C. Bi-207	C. Sealed sources	C. 100 mCi
D. C-14	D. Sealed sources	D. 100 mCi
E. Cd-109	E. Sealed sources	E. 10 Ci

## 8. Authorized Use

A. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.

B. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.

C. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.

D. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.

E. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.

\* Ci-Curies mCi-Millicuries  $\mu$ Ci-Microcuries



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

5. Radioisotope (continued)	6. Form of Material (continued)	7. Maximum Activity* (continued)	8. Authorized Use (continued)
F. Cf-252	F. Sealed sources	F. 1 Ci	F. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
G. Cm-244	G. Sealed sources	G. 1 Ci	G. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
H. Co-57	H. Sealed sources	H. 100 mCi	H. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
I. Co-60	I. Sealed sources	I. 200 Ci	I. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
J. Cs-134	J. Sealed sources	J. 100 mCi	J. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
K. Cs-137	K. Sealed sources	K. 3000 Ci	K. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
L. Eu-152	L. Sealed sources	L. 100 mCi	L. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

5. Radioisotope (continued)	6. Form of Material (continued)	7. Maximum Activity* (continued)	8. Authorized Use (continued)
M. Fe-55	M. Sealed source	M. 10 Ci	M. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
N. Gd-153	N. Sealed source	N. 100 mCi	N. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
O. H-3	O. Sealed source	O. 300 Ci	O. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
P. I-129	P. Sealed source	P. 100 mCi	P. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
Q. Kr-85	Q. Sealed source	Q. 100 mCi	Q. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
R. Na-22	R. Sealed source	R. 100 mCi	R. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
S. Ni-63	S. Sealed source	S. 2 Ci	S. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

5. Radioisotope (continued)	6. Form of Material (continued)	7. Maximum Activity* (continued)	8. Authorized Use (continued)
T. Pa-234	T. Sealed source	T. 100 mCi	T. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
U. Pm-147	U. Sealed source	U. 10 Ci	U. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
V. Po-210	V. Sealed source	V. 5 Ci	V. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
W. Pu-238	W. Sealed source	W. 135 Ci (7.9 gm)	W. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
X. Pu-239	X. Sealed source	X. 100 mCi (1.6 gm)	X. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
Y. Ra-226 Ra-228	Y. Sealed source	Y. 700 mCi	Y. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
Z. Sr-89	Z. Sealed source	Z. 100 mCi	Z. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

5. Radioisotope (continued)	6. Form of Material (continued)	7. Maximum Activity* (continued)	8. Authorized Use (continued)
AA. Sr-90	AA. Sealed source	AA. 10 Ci	AA. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
AB. Sr-90 Y-90	AB. Sealed sources	AB. 10 mCi	AB. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
AC. Tc-99	AC. Sealed source	AC. 10 mCi	AC. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
AD. Th-232	AD. Sealed source	AD. 10 mCi	AD. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
AE. Tl-204	AE. Sealed source	AE. 10 mCi	AE. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
AF. U-238	AF. Sealed source	AF. 10 mCi	AF. Research and development, demonstration and distribution to authorized general and specific licensees per the conditions of this license and the Registry of Radioactive Sealed Sources and Devices.
AG. Ce-144 Pr-144	AG. Sealed source	AG. 1 mCi	AG. Research and development.
AH. Cl-36	AH. Sealed source	AH. 1 mCi	AH. Research and development.



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

5. Radioisotope (continued) AI. Any radioactive material	6. Form of Material (continued) AI. Leak test samples	7. Maximum Activity* (continued) AI. Total not to exceed 1 mCi	8. Authorized Use (continued) AI. Analysis for leakage or contamination of sealed sources as a commercial service.
--	---	---	---

9. Radioactive material shall only be stored and used at:

<u>Site Number</u>	<u>Location</u>
002	Sugar Land - 1410 Gillingham Lane

10. The authorized place of use is at temporary sites, in areas not under exclusive Federal jurisdiction, throughout Texas.
11. Each site shall maintain documents and records pertinent to the operations at that site. Copies of all documents and records required by this license shall be maintained for Agency review at site 002.
12. The licensee shall comply with the provisions (as amended) of Title 25 Texas Administrative Code (TAC) §289.201, §289.202, §289.203, §289.204, §289.205, §289.251, §289.252 and §289.257.
13. Radioactive material shall be used by, or under the direct supervision of, individuals designated by the RSO only after each worker has successfully completed a training course determined by the Agency as appropriate. Documentation verifying the successful completion of the training for each worker shall be maintained by the licensee for inspection by the Agency.
14. The individual designated to perform the functions of Radiation Safety Officer (RSO) for activities covered by this license is Michael J. Fontenot.
15. Sealed sources containing radioactive material shall not be opened.
16. The licensee is authorized to distribute their leak/wipe test kit Model QT/1K and QT/2S to customers and to subsequently analyze the leak/wipe test sample.
17. The licensee shall not use radioactive material in or on human beings.
18. Except for plutonium contained in a medical device designed for individual human application, no plutonium, regardless of form or quantity, shall be delivered to a carrier for shipment by air transport or transported in an aircraft by the licensee unless it is contained in a package that has been specifically approved by the United States Nuclear Regulatory Commission (NRC) for aerial shipment of plutonium.
19. The licensee shall not transfer radioactive material to other persons until it is verified that the recipient is authorized to possess the type and amount of material to be transferred by obtaining a current copy of the recipient's radioactive material license.



Department of State Health Services

**RADIOACTIVE MATERIAL LICENSE**

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

20. The licensee shall test each device distributed under this license for leakage or contamination with radioactive material and proper operation of the "on-off" mechanism and indicator, at the time of installation of the device.
21. The licensee is authorized to use devices containing radioactive material throughout Texas for the purpose of demonstration, field evaluation and/or on-site measurement at temporary sites.
22. The licensee is authorized to make temporary experimental installations of fixed gauging devices or portable devices containing no more than 10 Ci of radioactive material at potential customer sites throughout Texas. Such experiments shall be made for periods no longer than 26 weeks without specific notification to the Agency.
23. The licensee is authorized to distribute Am-241 reference sources of not more than 0.5  $\mu$ Ci and Ra-226 reference sources of not more than 1.0  $\mu$ Ci to persons generally licensed pursuant to 25 TAC §289.251(f)(4)(D).
24. The licensee shall maintain a copy of "The Registry of Radioactive Sealed Sources and Devices" safety evaluation (the Registry) for each sealed source and/or device authorized in license Conditions 5, 6, 7 and 8 and shall distribute only those sealed sources authorized for each device.
25. Installation, relocation, maintenance, repair, servicing, leak testing and initial radiation survey of devices containing radioactive material shall be performed only by the licensee or other persons specifically authorized to perform such services by the Agency, another Agreement State or the United States Nuclear Regulatory Commission (NRC).
26. After installation by the licensee of each device distributed to persons generally licensed pursuant to 25 TAC §289.251, the licensee shall conduct a radiation survey and shall assure that the levels of radiation do not exceed those specified in the license authorizing the manufacture or distribution of the installed gauge. The licensee shall furnish the general licensee a copy of the radiation survey report.
27. The licensee shall furnish a copy of 25 TAC §289.251(f)(4)(H), and those sections of 25 TAC §289.202 referenced in 25 TAC §289.251(f) to each general licensee to whom the device is transferred.
28. The licensee shall report to the Agency all transfers of devices distributed under this license to persons generally licensed under the 25 TAC §289.251. Such report shall identify each general licensee by name and address, the type of device transferred, and the quantity and type of radioactive material contained in the device. The report shall be submitted within thirty days after the end of each calendar quarter in which any such device is transferred to a generally licensed person.



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

29. The licensee is authorized to manufacture and distribute the following sources and devices in accordance with the following table:

Model Number	Radionuclide(s)	Source Model Number	Maximum Activity per Source (mCi)	Leak Test Interval (months)	Distribution Authorized for Licensee Class
5010, 5010A	Am-241	579103	1300	36	General
5010, 5010A	Pu-238	579103	1300	36	Specific
5020	Am-241	696935	200	6	Specific
5030	Cs-137	696894	100	36	Both
5031, 5031SA, 5094, 5096, 5098	Cs-137	57157C	4000	36	Specific
5031L	Cs-137	57157C	8000	36	Specific
5031L	Co-60	57157C	3000	36	Specific
5034, 5034A, 5036, 5038, 5038A, 5038B, 5202	Cs-137	57157C	500	36	Both
5094, 5096, 5098	Cs-137	3M 4P6E	2000	36	Specific
5165	Cs-137	57157C	2 sources of 20	36	Both
5166, 5185	Cs-137	57157C	100	36	Specific
5174, 5175, 5176, 5186	Cs-137	57157C, 3M 4P6M, 4P6E, QSA 850233	5000	36	Both
5174, 5175, 5176, 5186	Co-60	57157C, 3M 4F3D	1000	36	Both
5178, 5178A	Cs-137	57157C QSA 850263	50	36	Specific
5179, 5179A, 5182, 5182A	Cs-137	57157C, 3M 4P6M, QSA 850233, 850263	1000	36	Specific
5179, 5179A, 5182, 5182A	Co-60	57157C, QSA 850213, 3M 4F3D	10	36	Specific
5180, 5180A, 5183, 5183A	Cs-137	57157C, 3M 4F6S, 4P6E, QSA 850233	5000	36	Specific
5180, 5180A, 5183, 5183A	Co-60	57157C, QSA 850213, 3M 4F3D	100	36	Specific
5181, 5181A	Cs-137	57157C, 3M 4P6M QSA 850263	50	36	Specific



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

29. (Continued)

Model Number	Radionuclide(s)	Source Model Number	Maximum Activity per Source (mCi)	Leak Test Interval (months)	Distribution Authorized for Licensee Class
5184	Cs-137	57157C, 3M 4P6T	10000	36	Specific
5184	Co-60	57157C	20000	36	Specific
5188	Cs-137	QSA 850233, 3M 4P6M, 4P6E	1000	36	Specific
5188	Co-60	A/S 850213	10	36	Specific
5189	Cs-137	57157C	25	36	Specific
5190, 5192	Cs-137	57157C	250	36	Both
5191, 5193, 5203, 5207, 5207B, 7063, 7063P, 7063S, 7063PS	Cs-137	57157C	2000	36	Both
5194, 5195, 5196	Cs-137	696833	50 per inch	36	Specific
5194A	Cs-137	57157C	50 - 500 total	36	Specific
5195A, 5196A	Cs-137	57157C	50 - 1000 total	36	Specific
5197	Cs-137	57157C	200	36	Both
5198, 5199	Cs-137	57157C	200	36	General
5200, 5201, 5205, 5205B, 5211, 5219	Cs-137	696894	200	36	Both
5200A, 5201A, 5205A	Cs-137	57157C, 696894	200	36	Both
5204, 5208, 5210	Cs-137	57157C	10000	36	Both
5204, 5208B	Co-60	57157C	500	36	Both
5206, 5206B	Cs-137	57157C	1000	36	Both
5208	Co-60	57157C	2000	36	Both
5208B	Cs-137	57157C	8000	36	Both
5210B	Co-60	57157C	3000	36	Both
5217	Cs-137	696833	2000	36	Specific
5218	Cs-137	57157C	4000 32000 total	36	Specific
5218	Co-60	57157C	500 4000 total	36	Specific



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

29. (Continued)

Model Number	Radionuclide(s)	Source Model Number	Maximum Activity per Source (mCi)	Leak Test Interval (months)	Distribution Authorized for Licensee Class
5321, 885326	Sr-90	696381	0.002	N/A	Both
7062B, 7062BP	Cs-137	57157C	100	36	Both
7100B, 7100B-A	Am-241	579103	1000	36	Both
7200A	Am-241	579103	500	36	Both
9234	Am-241	696929	100	6	Both
9235	Am-241	696930	200	6	Both
9254, 9256, 9264	Am-241	696782, 696280	10	6	Both
9254, 9256, 9264	Cd-109	696782, 57371B	5	6	Both
9254, 9256, 9264	Cd-109	57242B	10	6	Both
9254, 9256, 9264	Co-57	696280	5	6	Both
9254, 9256, 9264	Fe-55	696782	50	6	Both
9254, 9256, 9264	Gd-153	696280	5	6	Both
9254, 9256, 9264	H-3/Zr	QSA TRX	4500	6	Both
9254, 9256, 9264	Pm-147/Al	QSA PHX	2000	6	Both
9254, 9256, 9264	Pu-238	QSA PPC	30	6	Both
9254, 9256, 9264	Pu-238	57242B	50	6	Both
9254, 9256, 9264	Cm-244	696782	30	6	Both
9254, 9256, 9264	Cm-244	57242B	50	6	Both
9257	Co-60	696280	50	6	Specific
9257, 9263, 9267	Fe-55	696782	50	6	Specific
9261	Co-57	696280	5	6	Specific
9263	Pu-238	57242B	50	6	Specific
9266	Cd-109	696873	5	6	Both
9266	Fe-55	696863	45	6	Both
9266, 9267	Am-241	696803	0.0005	6	Both
9277	Fe-55	696782	45	6	Both
9277, 9290	Cd-109	696782	10	6	Both
9290	Fe-55	696942	100	6	Both
9290, 9292	Cd-109	DuPont NER-465	30	6	Both
9290	Cm-244	57242B	100	6	Both
9290	Am-241	696280	10	6	Both
9388	Fe-55	696957	20	6	Both



Department of State Health Services

## RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

29. (Continued)

Model Number	Radionuclide(s)	Source Model Number	Maximum Activity per Source (mCi)	Leak Test Interval (months)	Distribution Authorized for Licensee Class
9388	Cd-109	696957	5	6	Both
9388	Am-241	696280	4	6	Both
9740A ECC-X	Cs-137	Exempt	5 $\mu$ Ci	N/A	Both
9800	Pu-238	57242B	100 - 300 total	6	Specific
9800	Cd-109	696782	15 - 45 total	6	Both
9800	Fe-55	696782	45 - 90 total	6	Both
9800	Am-241	696280	10 - 20 total	6	Both
9800	I-125	696928	100 - 300 total	6	Both
9800	Cm-244	57242B	200	6	Both
C-974	Co-60	QSA CKC.P1	640	36	Specific
C-974-A	Co-60	QSA CKC.P4	600	36	Specific
M190	Pm-147	QSA PHC.C2	675	6	Both
NALA	Pu-238	HMC-C-1049	50000	6	Specific
NALA	Am-241	AMT312	0.00005	6	Specific

30. Each device distributed as a generally licensed device under this license shall be accompanied by at least the following or substantially similar statements:
- Persons who receive, use, or transfer this device are subject to a general license or equivalent regulations of the NRC, or an Agreement State.
  - Abandonment or disposal of the device is prohibited unless it is transferred to a person specifically licensed by the NRC, or an Agreement State.
  - Operation of this device is prohibited if there is failure of or damage to the shielding, source containment, or "on-off" mechanism.
  - Dismantling, maintenance, and testing of the radioactive material shielding or containment shall be performed only by persons specifically licensed by the NRC or by an Agreement State.
  - Loss, theft, or transfer of this device and failure or damage to the shielding, or source containment shall be reported to the NRC or the appropriate Agreement State Regulatory Agency.
  - Removal of any label from this device is prohibited.
31. The licensee shall comply with the requirements described in U. S. Nuclear Regulatory Commission's (NRC) Order EA-07-305 (the Order), with attachments. The requirements listed in the Order shall be implemented as part of the trustworthiness and reliability program of the Increased Controls requirements.
- By May 26, 2008, the licensee shall provide under oath or affirmation, a certification that the Trustworthiness and Reliability Official (TRO) is deemed trustworthy and reliable by the licensee as required in paragraph B.2. of the Order.



Department of State Health Services

**RADIOACTIVE MATERIAL LICENSE**

LICENSE NUMBER	AMENDMENT NUMBER
L03524	79

31. (Continued)

- B. All fingerprints obtained by the licensee pursuant to this requirement must be submitted to the NRC for transmission to the U.S. Federal Bureau of Investigation (FBI). Additionally, the licensee's submission of fingerprints shall also be accompanied by a certification, under oath and affirmation, of the trustworthiness and reliability of the TRO as required by paragraph B.2. of the Order.
- C. The licensee shall complete implementation of the fingerprinting requirements by August 25, 2008. The licensee shall notify DSHS - Radioactive Material Licensing Group, Manager when they have achieved full compliance with the requirements described in the Order. The notification shall be made within thirty (30) days after full compliance has been achieved.
- D. The licensee shall notify Manager, Radioactive Material Licensing Group, DSHS at (512) 834-6688, ext. 2207 within 24 hours if the results from a criminal history records check indicate that an individual is identified on the FBI's Terrorist Screening Data Base.

32. In accordance with 25 TAC §289.254(e)(1), the licensee is authorized to receive sealed sources as radioactive waste.

33. A. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representations, and procedures contained in the following:

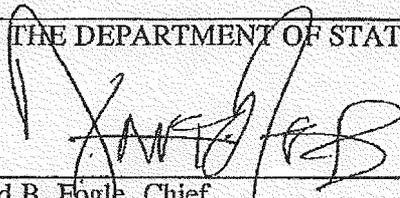
application dated November 7, 2003,  
letters dated March 7, 2005, June 24, 2005, March 19, 2007, March 16, 2007, July 3, 2007,  
October 17, 2008 and  
letter received May 11, 2005.

Title 25 TAC §289 (as amended) shall prevail over statements contained in the above documents unless such statements are more restrictive than the regulations.

- B. The licensee shall comply with the requirements described in the DSHS letter dated September 22, 2005 and attached document entitled "Increased Controls for Licensees that Possess Sources Containing Radioactive Material Quantities of Concern." The licensee shall complete implementation of said requirements by the first day radionuclides in quantities of concern are possessed at or above the limits specified in Table 1 of the attachment.

DBF

FOR THE DEPARTMENT OF STATE HEALTH SERVICES

Date December 16, 2008
  
 David B. Fogle, Chief  
 Advanced Technology Licensing Program



COPY

INVISTA S.à r.l.  
25876 DuPont Road  
Seaford, DE 19973

May 5, 2009

**CERTIFIED / RETURN RECEIPT**

Freida Fisher-Tyler, CIH  
Delaware Division of Public Health  
Office of Radiation Control  
417 Federal Street  
Dover, DE 19901

**INVISTA S.à r.l. Seaford Site Radiation Facility**  
**Delaware Radioactive Material Registration # 2136**

Dear Ms. Fisher-Tyler:

Per Section B.12 of the Delaware Radiation Control Regulations, the INVISTA Seaford Site is notifying the Agency of the transfer of 23 Cesium-137 radioactive sources registered under the site's Radioactive Material Registration # 2136. A representative from Ohmart / VEGA supervised the removal of the radioactive sources and packaged the sources for shipment to Thermo Fisher Scientific.

(a)(i) The name and address of the person receiving the radioactive materials:

Thermo Fisher Scientific  
1410 Gillingham Lane  
Sugar Land, TX 77478

(a)(ii) The radioactive sources and their model numbers and serial numbers are itemized on the attached letter of transfer.

(a)(iii) 23 Cesium-137 sources were accepted by Thermo Fisher Scientific on March 25, 2009.

INVISTA's Delaware Registration # 2136 update submitted on June 28, 2007, indicated that the site had a total of 24 sources. The 24<sup>th</sup> item was a generally licensed fire extinguisher tester which was transferred to Ludlum Measurements Inc. on 2/13/09, as indicated in the attached letter of notification to the Nuclear Regulatory Commission.

As a result of the noted transfers, the INVISTA Seaford Site is no longer in possession of radioactive materials. Therefore, INVISTA requests the termination of its Seaford Site's Radioactive Materials Registration # 2136.

If you have further questions, please contact Lisa Link at (302) 629-1086.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael A. Terry", written over a horizontal line.

Michael A. Terry  
Environmental, Health & Safety Manager

Cc: L. Link  
S. Kimpton

Enclosure: Letter of transfer from Thermo Fisher Scientific  
Copy of March 10, 2009, Transfer of Generally Licensed Device letter to the NRC

**LUDLUM MEASUREMENTS, INC.**  
501 OAK ST. / P.O. BOX 810  
SWEETWATER, TEXAS 79556  
Phone: 325-235-5464 800-622-0828 ext 3396  
325/235-4672 fax  
Website: <http://www.ludlums.com>  
Email: [kboat@ludlums.com](mailto:kboat@ludlums.com)



**DESIGNER AND MANUFACTURER  
OF**  
*Scientific and Industrial  
Instruments*

27 February 2009

To Whom it May Concern,

Ludlum Measurements, Inc., Sweetwater, Texas has received your Model 299 for transfer. If you need further info, please contact me.

Regards,  
Kent Boatright, Manager  
Ludlum Measurements, Inc.  
Repair/Calibration Department  
325/235-5494 ext 3396  
325/235-4672 fax  
[kboat@ludlums.com](mailto:kboat@ludlums.com)

*Serving the Nuclear Industry Since 1962*

Fed Ex tracking ~~402751928608~~  
402751928674

**STRAIGHT BILL OF LADING - SHORT FORM**  
ORIGINAL - NOT NEGOTIABLE

1 of 1

FedEx (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 INVISTA

Address: 25876 DuPont Road  
Seaford, DE 19973

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 Bill Huckabee-Sales, Ludlum Measurements  
Destination 501 Oak Street, Sweetwater, TX 79556  
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
101	X	UN2910 Radioactive Material, Excepted Package, Limited Quantity of Material, 7  ERG # 161	27.2 lbs	Cs-137	0.002 GBq 0.05 mCi	N/A	N/A

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: 302-629-1241

Third Party Bill To:

SHIPPER'S REF. NO. 6106402-8695  
MATERIAL RETURN AUTHORIZATION NO. N/A

Prepaid

Collect

SIGNATURE OF PERSON PREPARING THE SHIPMENT

*Mark A. Colin*

NAME OF SHIPPER/OWNER Elizabeth Link

RECEIVED BY \_\_\_\_\_

Permanent post office address of shipper: 25876 DuPont Road  
Seaford, DE 19973

Received date \_\_\_\_\_

Shippers Signature: *Elizabeth P. Link*

Date Signed: 2-11-09

delivered  
 2-16-09  
 (see attached tracking info)

ERG 2008

**RADIOACTIVE MATERIALS**  
**(LOW LEVEL RADIATION)**

**GUIDE**  
**161**

**EMERGENCY RESPONSE**

**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 Fire**

- Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Large Fire**

- Water spray, fog (flooding amounts).

**SPILL OR LEAK**

- Do not touch damaged packages or spilled material.
- Cover liquid spill with sand, earth or other non-combustible absorbent material.
- Cover powder spill with plastic sheet or tarp to minimize spreading.

**FIRST AID**

- Call 911 or emergency medical service.
- 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.
- Give 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.

GUIDE  
161RADIOACTIVE MATERIALS  
(LOW ENRICHMENT)

## POTENTIAL HAZARDS

**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.
- Very low levels of contained radioactive materials and low radiation levels outside packages result in low risks to people. Damaged packages may release measurable amounts of radioactive material, but the resulting risks are expected to be low.
- Some radioactive materials cannot be detected by commonly available instruments.
- Packages do not have RADIOACTIVE I, II, or III labels. Some may have EMPTY labels or may have the word "Radioactive" in the package marking.

**FIRE OR EXPLOSION**

- Some of these materials may burn, but most do not ignite readily.
- Many have cardboard outer packaging; content (physically large or small) can be of many different physical forms.
- 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, refer to appropriate telephone number listed on the inside back cover.
- Priorities for rescue, life-saving, first aid, fire control 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.
- As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 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.

**EVACUATION**

## Large Spill

- Consider initial downwind evacuation for at least 100 meters (330 feet).

## 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.

**IMPORTANT!**Severe thunderstorms at Memphis hub may cause some service delays and disruptions within the U.S. today. [Learn more](#)**Detailed Results**[Printable Version](#)

Enter tracking number \_\_\_\_\_

Detailed Results	Notifications
------------------	---------------

Tracking no.: 402751928674

**Delivered**

Delivered  
Signed for by: R.ORTEGA

**Shipment Dates**

Ship date Feb 13, 2009  
Delivery date Feb 16, 2009 12:29 PM

**Destination**

SWEETWATER, TX  
[Signature Proof of Delivery](#)

**Shipment Facts**

Service type	Standard Overnight	Delivered to	Shipping/Receiving
Weight	28.0 lbs/12.7 kg	Reference	L.LINK

**Shipment Travel History**Select time zone: 

Select time format: \_\_\_\_\_

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Feb 16, 2009 12:29 PM	Delivered	SWEETWATER, TX	
Feb 16, 2009 7:41 AM	On FedEx vehicle for delivery	ABILENE, TX	
Feb 16, 2009 6:58 AM	At local FedEx facility	ABILENE, TX	
Feb 15, 2009 4:30 PM	Departed FedEx location	MEMPHIS, TN	
Feb 14, 2009 2:52 PM	In transit	MEMPHIS, TN	
Feb 14, 2009 9:07 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 13, 2009 8:21 PM	Left FedEx origin facility	SALISBURY, MD	
Feb 13, 2009 2:42 PM	Picked up	SALISBURY, MD	
Feb 13, 2009 9:59 AM	Shipment information sent to FedEx		



# LEAK TEST AND SOURCE HOLDER REPORT

Field Service Order Number:  
6106402-6695

Customer: INVISTA

TESTED BY Mark Cornelissen DATE 10-Feb-09

Address: 25876 DuPont Road

RSO Lisa Link

Customer P.O. Number:  
3800532200

Seaford, DE 19973

PHONE NO. 432-640-8344

Attn: Lisa Link

FAX NO.

E-MAIL Elizabeth.P.Link@invista.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	236	Cs-137	42003	300	HM-8	Dec-61	(#2) Spare - In Storage	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
2	236	Cs-137	42004	300	HM-8	Dec-61	(#3) Spare - In Storage	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
3	713	Cs-137	47739	300	HM-8	Apr-63	(#6) BCF Line I South Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
4	713	Cs-137	47744	300	HM-8	Apr-63	(#7) BCF Line I North Separator	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
5	713	Cs-137	47745	300	HM-8	Apr-63	(#8) BCF Line I South Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
6	713	Cs-137	47746	300	HM-8	Apr-63	(#9) BCF Line I North Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
7	15303-1	Cs-137	6065	300	HM-8	Jun-66	(#14) BCF Line II South Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
8	15303-2	Cs-137	6105	300	HM-8	Jun-66	(#15) BCF Line II North Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
9	KayRay	Cs-137	1660	1000	7051	Oct-74	(#21) Staple SM21 Evap.	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
10	KayRay	Cs-137	8095	2000	7067	Apr-78	(#22) Staple SM21 Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
11	KayRay	Cs-137	1661	1000	7051	Oct-74	(#24) Staple SM22 Evap.	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
12	KayRay	Cs-137	9465	2000	7067	Feb-78	(#36) Staple SM22 Finisher	Yes	Neg	Locked	Slight Rust/Corrosion	Legible
13	Ludlum	Cs-137	N/A	50 uCi	299	May-84	(#41) Analyzer	Yes	Neg	N/A	No Rust/Corrosion	Legible
14												
15												

Leak Test Frequency

6 months

Yearly

Every 3 years

Other

RMA# 31049

# Ohmart/VEGA Corp.

## Leak Test Report

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

1031 ID  
elizabeth.p.link@invista.com E-mail

Customer Information: Elizabeth P Link  
Invista S.A.R.L.  
25876 DuPont Road  
Seaford, DE 19973

Analyzed By: Aaron Tiernan  
Equipment #: NS-0095  
Calibration Due: 7/23/2009  
Analysis Date: 2/16/2009  
Sources Analyzed: 24

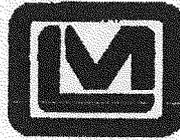
OAC - 3701:1-38-24

(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
42003	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
42004	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
PRO17302	Cs-137	0.05	Ludlum 299	Transfer	< 0.005 (µCi)	2/10/2009		
46985	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
0-713	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
47739	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47744	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47745	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47746	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
0-459	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6129	Cs-137	100	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6107	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6109	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6065	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
6105	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
60628	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
60629	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		

Attachment E, p. 7 of 7

**LUDLUM MEASUREMENTS, INC.**  
501 OAK STREET  
P.O. BOX 810  
SWEETWATER, TEXAS 79556  
WEBSITE: WWW.LUDLUMS.COM



**DESIGNER AND  
MANUFACTURER  
OF**  
*Scientific and Industrial  
Instruments*

800-622-0828(US & CANADA)

325-235-5494

325-235-4672(FAX)

E-mail: rharris@ludlums.com

Pursuant to Texas Regulation for Control of Radiation §289.251, the following information is provided for those persons generally licensed who receive, use, or transfer Ludlum Model 299-7 (50  $\mu\text{Ci}$  Cs <sup>137</sup> sealed source):

- A. Persons who receive, use, or transfer this device are subject to a general license or equivalent regulations of the United States Nuclear Regulatory Commission, or an Agreement State.
- B. Abandonment or disposal of the device is prohibited unless it is transferred to a person specifically licensed by the United States Nuclear Regulatory Commission, or an Agreement State.
- C. Operation of this device is prohibited if there is failure of or damage to the shielding, source containment, or on-off mechanism.
- D. Dismantling, maintenance, and testing of the radioactive material shielding or containment shall be performed only by persons specifically licensed by the United States Nuclear Regulatory Commission or by an Agreement State.
- E. Loss, theft, or transfer of this device and failure or damage to the shielding, or source containment shall be reported to the United States Nuclear Regulatory Commission or the appropriate Agreement State Regulatory Agency.
- F. Removal of any label from this device is prohibited.
- G. Testing for radioactive leakage is not required.

• Serving The Nuclear Industry Since 1962 •

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Department of State Health Services  
**RADIOACTIVE MATERIAL LICENSE**

Pursuant to the Texas Radiation Control Act and Texas Department of State Health Services (Agency) regulations on radiation, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Agency now or hereafter in effect and to any conditions specified below.

<b>LICENSEE</b>		This license is issued in response to a letter	
1. Name	LUDLUM MEASUREMENTS INC ATTN RHONDA HARRIS	Dated:	January 29, 2009
2. Address	P O BOX 810 SWEETWATER TX 79556	Signed by:	Rhonda Harris
		3. License Number	Amendment Number
		L01963	84

**PREVIOUS AMENDMENTS ARE VOID**

<b>RADIOACTIVE MATERIAL AUTHORIZED</b>		4. Expiration Date	
		August 31, 2004 (Timely Renewal Filed)	

5. Radioisotope	6. Form of Material	7. Maximum Activity*	8. Authorized Use
A. Cs-137	A. Sealed sources (3M Models 4F6H, 4F6B and 4F6S; GNI Model CSV)	A. No single source to exceed 1.5 Ci TOTAL: 18.8 Ci	A. Research and development, instrument calibration, demonstration and distribution to authorized recipients in accordance with Condition 17.
B. Am-241	B. Sealed sources (Gtrn Model AN-HP)	B. 1 source not to exceed 6.5 Ci and 1 source not to exceed 300 mCi	B. Research and development and instrument calibration.
C. Cf-252	C. Sealed sources (QSA Model CVN.1; IPL Model 225)	C. No single source to exceed 540 µCi TOTAL: 1 mCi	C. Research and development and distribution to authorized recipients in accordance with Condition 17.
D. Am-241	D. Sealed sources (QSA Models AMC.46, AMC.36)	D. No single source to exceed 100 mCi TOTAL: 1 Ci	D. Research and development and instrument calibration.
E. Cs-137	E. Sealed sources (QSA Model CDC.701; IPL Models GFS-3, GF-137D)	E. No single source to exceed 75 µCi TOTAL: 7.5 mCi	E. Demonstration and distribution to persons generally licensed pursuant to 25 TAC §289.251(h)(1) and in accordance with Condition 17.
F. Sr-90	F. Sealed sources	F. No single source to exceed 10 µCi TOTAL: 1 mCi	F. Possession, storage and research and development in accordance with Condition 17.
G. Pu-239	G. Sealed sources	G. No single source to exceed 3 µCi TOTAL: 1 mCi	G. Possession, storage and research and development in accordance with Condition 17 and distribution to persons generally licensed pursuant to 25 TAC §289.251(h)(4).

\* Ci-Curies mCi-Millicuries µCi-Microcuries

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5. Radioisotope (Continued)	6. Form of Material (Continued)	7. Maximum Activity* (Continued)	8. Authorized Use (Continued)
H. Th-230	H. Sealed sources	H. No single source to exceed 2 $\mu$ Ci TOTAL: 1 mCi	H. Possession, storage and research and development in accordance with Condition 17 and distribution to persons generally licensed pursuant to 25 TAC §289.251(g)(1).
I. Am-241	I. Sealed sources	I. No single source to exceed 6 $\mu$ Ci TOTAL: 1 mCi	I. Possession, storage and research and development in accordance with Condition 17 and distribution to persons generally licensed pursuant to 25 TAC §289.251(h)(4).
J. Ra-226	J. Rn-222 and Rn-222 daughter generator	J. No single source to exceed 10 $\mu$ Ci TOTAL: 1 mCi	J. Possession and generation of Rn-222 and Rn-222 daughters.
K. Rn-222 and Rn-222 daughter	K. Gas	K. 10 $\mu$ Ci	K. Research and development.
L. Am-241	L. Sealed sources	L. No single source to exceed 0.05 $\mu$ Ci TOTAL: 1 mCi	L. Possession and storage only in accordance with Condition 17.
M. Ra-226	M. Sealed sources (IPL Model 193)	M. No single source to exceed 10 mCi TOTAL: 100 mCi	M. Research and development and instrument calibrations.
N. U-234 U-235	N. Sealed sources	N. No single source to exceed 0.02 $\mu$ Ci TOTAL: 1 mCi	N. Possession, storage and research and development in accordance with Condition 17 and distribution and calibration and check source.
O. Ra-226	O. Sealed sources (IPL Model HEG-226)	O. No single source to exceed 5 mCi TOTAL: 50 mCi	O. Research and development and instrument calibration.
P. Cs-137	P. Sealed sources (QSA Model CDC.800 series)	P. No single source to exceed 300 mCi TOTAL: 3 Ci	P. Survey instrument calibration.

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5. Radioisotope (Continued)	6. Form of Material (Continued)	7. Maximum Activity* (Continued)	8. Authorized Use (Continued)
Q. Cs-137	Q. Sealed sources (GI Model VD[HP])	Q. No single source to exceed 1.5 Ci TOTAL: 15 Ci	Q. Research and development and instrument calibrations.
R. Cs-137	R. Sealed source (IRL Model Series 2)	R. No single source to exceed 200 mCi TOTAL: 2 Ci	R. Research and development and instrument calibrations.
S. Am-241	S. Sealed sources * (STC Model NSR-F, serial numbers 148, 1071, 1286, 1316, and 1319)	S. Five sources not to exceed 16 Ci each	S. Research and development and instrument calibration.
T. Cs-137	T. Sealed sources (3M Model Series 6500)	T. Two sources not to exceed 45 mCi each.	T. Research and development and instrument calibration.
U. Cs-137	U. Sealed sources (Gmtrn Model GT- GHP)	U. Four sources with a total activity of 95 mCi	U. Research and development.
V. Cs-137 Co-60 Co-57 Ba-133	V. Sealed sources (Capintec/DuPont Models CR series)	V. Four sources not to exceed 5.1 mCi each.	V. Possession incident to storage or transfer for disposal.
W. Cs-137	W. Sealed sources (IPL Model 193)	W. Three sources with a total activity of 200 mCi	W. Possession incident to storage or transfer for disposal.
X. Co-60	X. Sealed source (IPL Model GF-060)	X. One source not to exceed 100 $\mu$ Ci	X. Possession incident to storage or transfer for disposal.
Y. Co-60 Co-57	Y. Sealed sources (IPL Model RV- XXX)	Y. Two sources not to exceed 10 mCi each.	Y. Possession incident to storage or transfer for disposal.
Z. Co-57	Z. Sealed source (NAS Model IND1604)	Z. One source not to exceed 10 mCi	Z. Possession incident to storage or transfer for disposal.

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5. Radioisotope (Continued)	6. Form of Material (Continued)	7. Maximum Activity* (Continued)	8. Authorized Use (Continued)
AA. Cs-137	AA. Sealed source (IPL Model 301 Series)	AA. 6 sources not to exceed 1 mCi each.	AA. Possession incident to storage or transfer for disposal.
AB. Depleted Uranium	AB. Sealed source (Eberline slab source)	AB. 1 source of 3 nCi	AB. Possession incident to storage or transfer for disposal.
AC. Cd-109	AC. Sealed source (IPL Models A3410 or A3411)	AC. 1 source of 290 $\mu$ Ci	AC. Research and development and instrument calibrations.
AD. Cs-137	AD. Sealed source (JLS Model 6810)	AD. Two sources not to exceed 5 mCi each.	AD. Research and development and instrument calibration.
AE. Pd-103	AE. Sealed source (MBP Model PD103SL)	AE. Three sources not to exceed 2.5 mCi each.	AE. Research and development and instrument calibration.
AF. Cs-137	AF. Sealed source (NEN Model NER- 570 series)	AF. One source not to exceed 100 mCi	AF. Research and development and instrument calibration.
AG. Cs-137	AG. Sealed source (ORNL sealed source)	AG. One source not to exceed 50 Ci	AG. Research and development and instrument calibration using FEMA Model UDM1A (CDV-793) calibrator.
AH. I-129	AH. Sealed source (IPL Model GF-129)	AH. 1 source of 10 $\mu$ Ci	AH. Research and development and instrument calibration.
AI. Co-57	AI. Sealed source (IPL Model RV-057)	AI. 1 source of 10 mCi	AI. Research and development and instrument calibration.
AJ. Am-241	AJ. Plated sources (IPL Models AM1.xxxx and AFR Series)	AJ. No single source to exceed 200 $\mu$ Ci Total: 400 $\mu$ Ci	AJ. Research and development and instrument calibration.
AK. Pu-239	AK. Plated source (TMA/Eberline Model DNS-1)	AK. 3 sources not to exceed 5 $\mu$ Ci each Total: 15 $\mu$ Ci	AK. Research and development and instrument calibration.

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5. Radioisotope (Continued)	6. Form of Material (Continued)	7. Maximum Activity* (Continued)	8. Authorized Use (Continued)
AL. Am-241	AL. Sealed sources	AL. 3 sources not to exceed 2 Ci each Total: 6 Ci	AL. Research and development and instrument calibration using NUMEC Model Neutron Pac Model 7000 neutron howitzer.
AM. Cf-252	AM. Sealed source (FTC Model 100 series)	AM. 1 source of 175 mCi	AM. Research and development and instrument calibration.
AN. Cs-137	AN. Sealed source [GI Model VD(HP)]	AN. 1 source of 1.5 Ci	AN. Research and development using Gamma Industries, Inc. Model Pipeliner Model 300 (not authorized for survey instrument calibration)
AO. Cm-244	AO. Plated Source (IPL Model AF Series)	AO. 1 $\mu$ Ci	AO. Research and development and instrument calibration.
AP. Po-210	AP. Foil Source (NRD Model P-001)	AP. 4 sources not to exceed 10 mCi each.	AP. Static elimination and research and development.
AQ. Cs-137	AQ. Sealed source (ORNL Model ISO-1000)	AQ. 1 source of 306 Ci	AQ. Research and development and instrument calibration.
AR. Cs-137	AR. Sealed source (GN Model CSV)	AR. 1 source of 10 Ci	AR. Research and development and instrument calibration.
AS. Cs-137	AS. Sealed source (3M Model 4F6S)	AS. 1 source of 167 mCi and 1 source of 235 mCi	AS. Research and development and instrument calibration.

9. Unless otherwise specified, radioactive material shall only be stored and used at:

<u>Site Number</u>	<u>Location</u>
000	Sweetwater - 501 Oak Street
001	Sweetwater - 1304 West Broadway Street
002	Sweetwater - 404 West Fourth Street
003	Sweetwater - 403 Pecan Street
004	Sweetwater - 500 Oak Street
005	Sweetwater - 200 West Third Street
006	Sweetwater - 610 Oak Street, Building A



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10. The authorized place of use is at temporary sites, in areas not under exclusive Federal jurisdiction, throughout Texas.
11. Radioactive material shall not be stored or used at a permanent site unless that site is specifically authorized on this license. A site is considered permanent if radioactive material is stored and/or used at that location for more than 90 days in any twelve-month period.
12. All documents and records pertinent to the operations at the sites authorized on this license and those documents and records required by this license shall be maintained for Agency review at Site 000.
13. The licensee shall comply with the provisions (as amended) of Title 25 Texas Administrative Code (TAC) §289.201, §289.202, §289.203, §289.204, §289.205, §289.251, §289.252 and §289.257.
14. The individual designated to perform the functions of Radiation Safety Officer (RSO) for activities covered by this license is Rhonda Harris.
15. Radioactive material shall only be used by, or under the supervision of, individuals designated by the RSO.
16. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders.
17. The licensee is authorized to manufacture the following sealed sources and/or devices for use pursuant to 25 TAC §289.252(l) and (u):

Model Number	Radionuclide	Maximum Activity Per Source (mCi)	Leak Test Interval
3110	Cs-137	1500	6 months
3210	Cs-137	1500	6 months
3230	Ir-192	20,000	6 months
3240	Cs-137	1500	6 months
324	Cf-252	0.540	Exempt
242	Co-57	2.5	Exempt
299 series	Cs-137	0.075	Exempt

18. The licensee is authorized to store radioactive material with a physical half-life of less than 270 days for decay-in-storage before being discarded as being non-radioactive provided:
  - A. Radioactive waste to be discarded of in this manner is held for decay a minimum of 10 half-lives.
  - B. Prior to discarding as other waste, radioactive waste is monitored to determine that the radiation levels are not distinguishable from background with appropriate survey instruments. All radiation labels will be removed or otherwise obliterated or obscured.
  - C. Generator columns shall be segregated so that they may be monitored separately to assure decay to background levels prior to discarding.



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19. The licensee shall test each device distributed under this license for leakage or contamination of radioactive material and proper operation of the "on-off" mechanism and indicator, if any, at the time of installation of the device.
20. After installation by the licensee of each device distributed to persons generally licensed pursuant to 25 TAC §289.251(f), the licensee shall conduct a radiation survey and shall assure that the levels of radiation do not exceed those specified in the license authorizing the manufacture or distribution of the installed gauge. The licensee shall furnish the general licensee a copy of the radiation survey report.
21. The licensee is hereby authorized to perform commercial radiation survey instrument calibration on both gamma and neutron survey meters.
22. The licensee shall possess and use sealed sources authorized in Part A of Conditions 5, 6, 7 and 8 only after acquiring documentation from the manufacturer that a safety evaluation required by 25 TAC §289.252(v) has been performed. This documentation shall be maintained for inspection by the Agency.
23. Each device distributed under this license shall be accompanied by at least the following or substantially similar statements:
- Persons who receive, use, or transfer this device are subject to a general license pursuant to these rules, or equivalent regulations of the NRC or another Agreement State.
  - Abandonment or disposal of the device is prohibited unless it is transferred to a person specifically licensed by the Agency, the NRC, or another Agreement State.
  - Operation of this device is prohibited if there is failure of or damage to the shielding, source containment, or "on-off" mechanism.
  - Dismantling, maintenance, and testing of the radioactive material shielding or containment shall be performed only by persons specifically licensed by the Agency, the NRC, or another Agreement State.
  - This device shall be tested for radioactive leakage at intervals not to exceed six months.
  - Loss, theft, or transfer of this device and failure or damage to the shielding, or source containment shall be reported to the Agency, the NRC, or the appropriate Agreement State.
  - Removal of any label from this device is prohibited.
  - This device shall be tested for proper operation of the "on-off" mechanism and indicator at intervals not to exceed six months.
24. When using radioactive material authorized in Part AG, the licensee shall determine through calculation and post the high radiation area in accordance with 25 TAC §289.202(aa).
25. When using radioactive material authorized in Part AL, the licensee shall only use the NUMEC device with the source in the central storage position and experiment wells, when not in use, containing neutron moderating material.
26. The licensee shall comply with the requirements described in U. S. Nuclear Regulatory Commission's (NRC) Order EA-07-305 (the Order), with attachments. The requirements listed in the Order shall be implemented as part of the trustworthiness and reliability program of the Increased Controls requirements.



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26. (Continued...)

- A. By May 26, 2008, the licensee shall provide under oath or affirmation, a certification that the Trustworthiness and Reliability Official (TRO) is deemed trustworthy and reliable by the licensee as required in paragraph B.2. of the Order.
- B. All fingerprints obtained by the licensee pursuant to this requirement must be submitted to the NRC for transmission to the U.S. Federal Bureau of Investigation (FBI). Additionally, the licensee's submission of fingerprints shall also be accompanied by a certification, under oath and affirmation, of the trustworthiness and reliability of the TRO as required by paragraph B.2. of the Order.
- C. The licensee shall complete implementation of the fingerprinting requirements by August 25, 2008. The licensee shall notify DSHS - Radioactive Material Licensing Group, Manager when they have achieved full compliance with the requirements described in the Order. The notification shall be made within thirty (30) days after full compliance has been achieved.
- D. The licensee shall notify Manager, Radioactive Material Licensing Group, DSHS at (512) 834-6688, ext. 2207 within 24 hours if the results from a criminal history records check indicate that an individual is identified on the FBI's Terrorist Screening Data Base.

27. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representations, and procedures contained in the following:

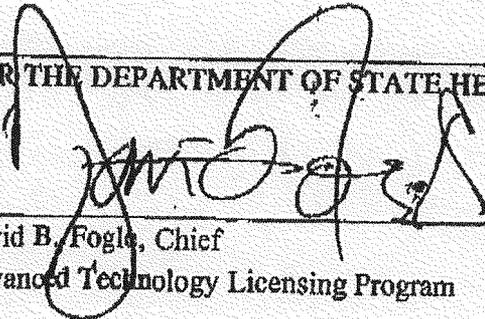
application dated July 31, 1997,  
letters dated July 17, 1997, November 23, 1997, October 22, 2002, July 29, 2003, August 26, 2003,  
January 27, 2005, March 8, 2005, March 15, 2005, March 28, 2005, April 12, 2005,  
April 11, 2006, May 19, 2006, April 1, 2008, April 22, 2008 and July 22, 2008.

Title 25 TAC §289 (as amended) shall prevail over statements contained in the above documents unless such statements are more restrictive than the regulations.

DBF

FOR THE DEPARTMENT OF STATE HEALTH SERVICES

Date February 23, 2009

  
David B. Fogle, Chief  
Advanced Technology Licensing Program

COPY



INVISTA S.à r.l.  
25876 DuPont Road  
Seaford, DE 19973

March 10, 2009

***CERTIFIED / RETURN RECEIPT***

ATTN: Document Control Desk  
Charles L. Miller, Director  
Office of Federal and State Materials and Environmental Management Programs  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**INVISTA S.à r.l. Seaford Site  
Transfer of Generally Licensed Device**

Dear Mr. Miller:

Pursuant to 10 CFR 31.5(c)(8)(ii), INVISTA S.à r.l. Seaford Site is providing notice that it transferred the following generally licensed device to a specific licensee:

(A) Ludlum Model 299 Halon Level Detector, Serial Number PR 017302.

(B) The device was transferred to:           Ludlum Measurements Inc.  
Attn: Rhonda Harris, Radiation Safety Officer  
P.O. Box 810  
501 Oak Street  
Sweetwater, TX 79556  
License Number L01963

(C) The device was shipped from the INVISTA S.à r.l. Seaford Site on 2/13/09, and it was received at the Ludlum Measurements Inc. facility on 2/16/09.

If you have further questions, please contact Lisa Link at (302) 629-1086.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael A. Terry".

Michael A. Terry  
EHS Manager

~~cc: Lisa Link~~

## CURRENT RADIATION SURVEY FOR SOURCE LOCATIONS

previous source activity			background readings			previous source location		
(mCi)	unless otherwise noted		mrem/hr	mrem/hr	mrem/hr	mrem/hr	mrem/hr	mrem/hr
			6 ft distance	6 ft distance	6 ft distance	12 inch	12 inch	at the vessel
			background	background	background	source holder	source holder	detector side of vessel
2	300	6th Fl., spare in storage	.01	0	.01	.01	.01	N/A
3	300	6th Fl., spare in storage	.01	0	.01	.01	.01	N/A
4	500	6th Fl., In Storage	.01	0	.01	.01	.01	N/A
4	150	6th Fl., BCF Line I Reactor	.02	.01	0	.01	.01	.01
5	150	6th Fl., BCF Line I Reactor #2	.02	0	0	.01	0	.01
6	300	5th Fl., BCF Line I South Separator	.02	.02	.01	.01	.01	0
7	300	5th Fl., BCF Line I North Separator	0	0	0	0	0	0
8	300	5th Fl., BCF Line I South Finisher	.01	.01	0	0	0	0
9	300	5th Fl., BCF Line I North Finisher	.02	.02	.01	0	.02	0
10	150	6th Fl., BCF Line II Reactor #1	.02	.02	.01	0	.01	0
11	100	6th Fl., BCF Line II Reactor #2	.02	.03	.01	.01	0	.02
12	300	5th Fl., BCF Line II South Separator	0	.01	.02	.01	.02	.01
13	300	5th Fl., BCF Line II North Separator	.02	.01	.01	.01	0	.01
14	300	5th Fl., BCF Line II South Finisher	.01	0	.01	.01	.02	.01
15	300	5th Fl., BCF Line II North Finisher	.02	.01	.01	.01	.01	.01
17	300	6th Fl., Staple North Separator	.01	.01	.02	.01	.01	.01
18	300	6th Fl., Staple South Separator	.01	0	.01	.01	.01	.01
19	300	6th Fl., Staple North Finisher	.01	.03	0	0	0	.01
20	300	6th Fl., Staple South Finisher	.02	.01	.02	0	0	.03
21	1000	7th Fl., Staple SM21 Evaporator	0	.02	.02	.01	.02	.02
22	2000	7th Fl., Staple SM21 Finisher	0	.01	0	0	.01	.01
24	1000	7th Fl., Staple SM22 Evaporator	.01	0	0	0	0	.02
36	2000	7th Fl., Staple SM22 Finisher	0	0	0	.01	.01	.01
42	50	7th Fl., Staple CP Reactor	.02	.01	.02	.02	.02	.02
		evaluator	J. Whaley					
		X.O.I	Applied					
		date	4/28/09					

Survey Meter: Eberline Model E-120  
 Calibration good until 7-26-09

Last calibrated 1-26-09

SN 12027

See attached calibration certification



**CALIBRATION  
CERTIFICATE**

Duratek Instrument Services  
628 Gallaher Road  
Kingston, TN 37763  
Phone: (865) 376-8337  
Fax: (865) 376-8331

This Certificate will be accompanied by Calibration Charts or Readings where applicable

CUSTOMER INFORMATION			INSTRUMENT INFORMATION		
Customer Name: <b>Invista S.A.R.L</b>			Manufacturer: <b>Eberline</b>		
Address: <b>25876 Dupont Road, Seaford, DE 19973</b>			Model: <b>E-120</b>	Serial Number: <b>12027</b>	
Contact Name: <b>John Triggs</b>			Probe: <b>HP-270</b>	Serial Number: <b>NA</b>	
Customer Purchase: Order Number: <b>3800519213</b>		Work Order Number: <b>2009-05547</b>	Calibration Method: <b>Source and Electronic</b>		
INSTRUMENT CALIBRATION INFORMATION					
Instrument Range (mR/hr)	Calibration Standard Value (mR/hr)	Instrument Response (mR/hr)		Comments	
		Before Calibration	After Calibration	Calibrated in accordance with OEM Technical Manual.	
X0.1	0.100 mR/hr	0.100	0.100	DVM: 93950304	Cal Due: 03/27/09
X0.1	0.250 mR/hr	0.250	0.250	MC-250L: 8029	Cal Due: 08/26/09
X0.1	0.400 mR/hr	0.400	0.400	Humidity: 958670	Cal Due: 04/22/09
X1	1.0 mR/hr	1.0	1.0		
X1	2.5 mR/hr	2.5	2.5	Temperature: 22.6 °C	Humidity: 17%
X1	4.0 mR/hr	3.9	3.9	Pressure: 747 mmHg	
X10	10 mR/hr	9	10		
X10	25 mR/hr	24	25	Geotropism: SAT	Batteries: SAT
X10	40 mR/hr	37	38	Mechanical Zero: SAT	Overrange: SAT
				Reset: SAT	
				Sources Used: 049711 Cert. Date: 07/18/08	
High Voltage	900 (±5%)	910V	910V		
STATEMENT OF CERTIFICATION					
We Certify that the instrument listed above was calibrated and inspected prior to shipment and that it met all the Manufacturers published operating specifications. We further certify that our Calibration Measurements are traceable to the National Institute of Standards and Technology. (We are not responsible for damage incurred during shipment or use of this instrument).					
Instrument					
Calibrated By: <i>M. Paul</i>		Reviewed By: <i>Jeff Duberson</i>		Date: <i>1/26/09</i>	
Calibration Date: <b>01/26/2009</b>		Calibration Due: <b>07/26/2009</b>			

# Ohmart/VEGA Corp.

## Leak Test Report

1031 ID

[elizabeth.p.link@invista.com](mailto:elizabeth.p.link@invista.com) E-mail

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

**Customer Information:** Elizabeth P Link  
Invista S.A.R.L.  
25876 DuPont Road  
Seaford, DE 19973

Analyzed By: Aaron Tiernan  
Equipment #: NS-0095  
Calibration Due: 7/23/2009  
Analysis Date: 2/16/2009  
Sources Analyzed: 24

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
42003	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
42004	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
PRO17302	Cs-137	0.05	Ludlum 299	Transfer	< 0.005 (µCi)	2/10/2009		
46985	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
0-713	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
47739	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47744	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47745	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
47746	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
0-459	Cs-137	150	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6129	Cs-137	100	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6107	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6109	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
6065	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
6105	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/10/2009		
60628	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
60629	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		

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
60630	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
60627	Cs-137	300	HM-8	Transfer	< 0.005 (µCi)	2/9/2009		
1660	Cs-137	1000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
8095	Cs-137	2000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
1661	Cs-137	1000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
9466	Cs-137	2000	7051	Transfer	< 0.005 (µCi)	2/10/2009		
22277	Cs-137	50	7051	Transfer	< 0.005 (µCi)	2/9/2009		

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

Garon Yerman  
Analyzed By (e/d)

2/16/09  
Analyze Date

James Keehan  
Reviewed By (e/d)

2/17/09  
Review Date

**INVISTA S.à r.l. Seaford Site  
Radioactive Materials License 07-03744-01  
Decommissioning Funding Plan**

INVISTA Seaford respectfully submits that site decommissioning is complete and that the facility is suitable for unrestricted release in accordance with NRC requirements, in that:

- 1) All radioactive materials were sealed sources and used in a way that would preclude the release of radioactive materials to the environment, would not cause activation of adjacent materials, and would not contaminate work areas.
- 2) Leak test results are current; additionally, ALL leak test results indicate that the sealed sources of radioactive materials did not leak while in INVISTA Seaford's possession.
- 3) All specifically and generally-licensed radioactive materials have been transferred to authorized licensees. No radioactive wastes were generated.
- 4) The (attached) April 28, 2009, final status radiation survey report demonstrates that residual radioactivity where sealed source radioactive materials were used or stored is not distinguishable from background radiation levels. The total effective dose equivalent (TEDE) will therefore not exceed 25 mrem/year.

As the above activities have all been completed, no further monies are required to conclude site decommissioning.

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

**CERTIFICATE OF DISPOSITION OF MATERIALS**

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](mailto: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.

LICENSEE NAME AND ADDRESS

INVISTA S.à r.l. Seaford Site  
25876 DuPont Road, Seaford, DE 19973

LICENSE NUMBER

07-03744-01

DOCKET NUMBER

030-03865

LICENSE EXPIRATION DATE

11/30/2013

- This license has expired.  **A. LICENSE STATUS (Check the appropriate box)**  
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:  
25-Mar-09: Thermo Fisher Scientific (L03524), 1410 Gillingham Lane, Sugar Land, TX 77478, Angelica Guidry, 713-272-0404
- 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:
- 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
Elizabeth P Link	Radiation Safety Officer	(302) 629-1086	see below

Mail all future correspondence regarding this license to:

Elizabeth P. Link, INVISTA, 25876 DuPont Road, Seaford, DE 19973 ([Elizabeth.P.Link@invista.com](mailto:Elizabeth.P.Link@invista.com))**C. CERTIFYING OFFICIAL**

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

PRINTED NAME AND TITLE

Michael A. Terry, EHS Manager

SIGNATURE



DATE

5-18-09

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 1004 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.

143759

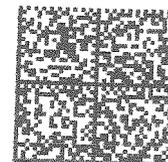
**INVISTA™**

*A. Link*  
INVISTA S.à r.l.  
25876 DuPont Road  
Seaford, DE 19973

**CERTIFIED MAIL™**



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**ATTN: JENNY JOHANSEN  
LICENSING ASSISTANT SECTION  
NUCLEAR MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMM.,  
REGION 1  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415**

This is to acknowledge the receipt of your letter/application dated

LTA NRC 314  
5/18/2009 / 5/18/2009

and to inform you that the initial processing which includes an administrative review has been performed.

TERMINATION 07-03744-01  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 143759.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

Sincerely,  
Licensing Assistance Team Leader