

STRAIGHT BILL OF LADING ORIGINAL - NOT NEGOTIABLE

Shipper No. 2013-075

Carrier No.

Page 1 of 1

TSMT

(Name of carrier)

(SCAD)

Date

On Collect or Delivery statements, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1. TO: National Security Technologies, LLC (NSTEC) Consignee fo U.S. DOE

FROM: LANS, LLC for U.S. DOE Shipper Indiana University Radiation Safety Office

Street Waste Management, Nevada Test Site - Zone 2

Street 1001 East 3rd St.

City Mercury State NV Zip Code 89023

City Bloomington State IN Zip Code 47405

24 hr. Emergency Contact Tel. No. (505) 667 6211

Route

Vehicle Number

Table with columns: No. of Units & Container Type, HM, BASIC DESCRIPTION, TOTAL QUANTITY, WEIGHT, RATE, CHARGES. Row 1: 1 Drum Type A, RQ, UN3333, Radioactive Material, Type AF Package, Special Form, Fissile, 7, Solid, Oxide, 239Pu, 241 Am, 240Pu, 241Pu, 138.66GBq, Radioactive Yellow III, TI=2.9, CSI= 0.3, S300, SN31333, Type AP, LA00000062759, 200 kg (450 lbs).

PLACARDS TENDERED: YES NO

REMIT C.O.D. TO: ADDRESS

Note: (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property... (2) Where the applicable tariff provisions specify a limitation of the carrier's liability... (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and classified as to ensure safe transportation.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. E. Gammon Signature

COD Amt: \$ TOTAL CHARGES \$ FREIGHT CHARGES PREPAID ORIGIN PAID

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property mentioned herein is accepted... (505) 412-8068

in lieu of and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER LANS, LLC for U. S. DOE PER Ellen Gammon (505) 412-8068

CARRIER TSMT PER John Phelgs DATE 8-26-13

P.03

AUG-28-2013 02:42 PM IU RADIATION SAFETY

DOE/NRC FORM 741
 (5-2011) Previous editions are obsolete
MANDATORY DATA COLLECTION
 AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150,
 Public Laws 83-703, 93-438, 95-91

**U.S. DEPARTMENT OF ENERGY
 AND
 U.S. NUCLEAR REGULATORY COMMISSION**

APPROVED BY OMB: NO. 3150-0003
EXPIRES: 05/31/2014

Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to info.collects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-10202, (3150-0003), 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.

NUCLEAR MATERIAL TRANSACTION REPORT

1. SHIPPER'S RIS ZJV		2. RECEIVER'S RIS NAB		3. TRANSACTION NO. 1		4. CORRECTION NO.		5. PROCESSING CODE a. SHIPPER A b. RECEIVER				6. ACTION CODE a. SHIPPER A b. RECEIVER				7. DOCUMENTATION (0-4) # documents is classified SECRET PAGE OF PAGES COPY OF COPIES SERIES											
8.a. NAME AND ADDRESS OF SHIPPER Indiana University 1001 E. Third Street Jordan Hall 071 Bloomington, Indiana 47405				8.b. LICENSE NO.				8.c. NAME AND ADDRESS OF RECEIVER				8.d. LICENSE NO.				10. NO. OF DATA LINES 1				11. NATURE OF TRANSACTION S				NO. DISTRIBUTION OF COPIES 1 NAB 2 QFA			
9.a. ATTENTION: Greg Crouch				9.c. ATTENTION:				12. SHIPPED FOR ACCOUNT OF Indiana University				13.a. SHIPPED TO ACCOUNT OF				13.b. RIS											
14. TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER				15. EXPORT OR IMPORT TRANSFER, LICENSE NO.				17. LINE NUMBER				18. COUNTRY OF OBLIGATION				19. MATERIAL TYPE				20. OBLIGATED ELEMENT/WEIGHT				21. OBLIGATED ISOTOPE WEIGHT <small>For Enriched Uranium Only</small>			
16. MATERIAL TYPE AND DESCRIPTION Pu-239 Pu/Be Sealed Source 32 grams				23.a. MISCELLANEOUS Packed by OSRP				24. TOTAL GROSS WEIGHT 300 kg				25. TOTAL VOLUME (Noble Gases Only)				22. ACTION DATE 08/26/13											
23.b. COMBINE NOTE ATTACHED: <input type="checkbox"/>				23.c. UK REPORTABLE? <input type="checkbox"/> YES <input type="checkbox"/> NO				4. SHIPMENT				4. SHIPPER'S CORRECTION				4. RECEIPT				4. RECEIVER'S MEASUREMENT				4. RECEIVER'S CORRECTION			

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (STEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MESS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT UNIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR		
	a.	b.	c.	d.	e.	f.	g.	h.	i.	j.	1	2	3	k.	l.	m.	n.	o.	p.	q.		
												BASE	OMP	METHOD								


26. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED ↑ ↑ ↑ I MRC-PU-BE-199 50 481 J	27. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED ↓ ↓ ↓ 32 grams 7% 30 grams 8/26/13
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WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

**RADIATION SAFETY OFFICE
INDIANA UNIVERSITY – BLOOMINGTON**

DATE: 08/28/2013

TO: Sara Forster
NRC
Fax: 630-515-1259

FROM: Greg Crouch 
Radiation Safety Officer
Phone: (812) 855-3230
Fax: (812) 855-6180
Email: gcrouch@iu.edu

RE: Transfer of Pu-239/Be source to OSRP

See attached Bill of Lading and Form 741