



DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY JOINT MUNITIONS COMMAND
1 ROCK ISLAND ARSENAL
ROCK ISLAND, IL 61299-6000

REPLY TO
ATTENTION OF:

July 1, 2011

Safety/Rad Waste Directorate

Materials Licensing Branch
Attention: James Mullauer
US Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

Mr. Mullauer,

As requested, we have enclosed information to support our request to consolidate license SUB-1578 into license SUC-1380. Our initial requesting letter is dated April 8, 2011.

Please direct questions or comments to Mr. Kelly Crooks, (309) 782-0338, or Mr. Gary Buckrop, (309) 782-2969, electronic mail address rock-amsjm-sf@conus.army.mil.

Sincerely,

A handwritten signature in cursive script that reads "Stephanie A. Christie".

Stephanie A. Christie
Director, Safety/Rad Waste Directorate

Enclosure

Mullauer, James

From: Harder, Mary E USA CIV (US) [mary.e.harder.civ@mail.mil]
Sent: Tuesday, July 05, 2011 9:15 AM
To: Mullauer, James
Cc: Buckrop, Gary W USA CIV (US); Crooks, Kelly W USA CIV (US)
Subject: License Consolidation Request
Attachments: License Consolidation Memo to NRC.pdf; License Consolidation Enclosure.pdf; Encl 1 - SpectraTech.pdf; Encl 2 - Toxco.pdf

Importance: High

STATUS OF PLUTONIUM CHECK SOURCE. Spectra Tech Inc., under contract to the Army, packed the Pu239 source at Crane Army Ammunition Activity on 18 May 2011 and transported the source to the Toxco Material Management Center in Oak Ridge, Tennessee. Toxco received it under their State of Tennessee license number R-01037-E16 pending disposal.

Enclosure 1 contains an inventory of items removed from CAAA by Spectra Tech. Line item 9 refers to the plutonium source.

Enclosure 2 shows Toxco received the plutonium source and includes the manifest (NRC Form 540).

NAMING AUTHORIZED USERS: Item 1A of the SUC-1380 license identifies, for the US Army Joint Munitions Command; the Director of the Safety/Rad Waste Directorate, the radiation safety officer, and the alternate radiation safety officer. The Director provides oversight of the radiation safety program including supervision of the radiation safety officer and alternate. Currently these individuals are:

Ms. Stephanie Christie, Director Safety Rad/Waste Directorate

Mr. Kelly Crooks, Radiation Safety Officer

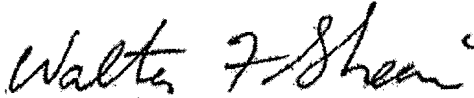
Mr. Gary Buckrop, Alternate Radiation Safety Officer

The SUC-1380 license is in effect at numerous Army installations. Each installation has a radiation safety officer to manage the local program. We do not name installation radiation safety officers or other authorized users in the license. To do so would require frequent license amendments due to the number of individuals involved and rate of personnel turnover. Instead, we require installations inform us when they change radiation safety officers, and we commonly review the duty appointment and training qualifications of those individuals during our on-site inspections.

CONFIRMATION OF OPERATIONS: Different individuals wrote licenses SUC-1380 and SUB-1578, but their intent is the same in that both provide coverage for basic ammunition handling and logistics functions, including storage, shipping, receiving, transportation, inspection, maintenance, and demilitarization. A review of the two licenses shows that the SUC-1380 license also provides coverage for emergency render-safe operations. Thus, Crane Army Ammunition Activity will not lose any license capability.

Individuals at Crane Army Ammunition Activity have reviewed the SUC-1380 license and application. Other than the bulk storage limit, they identify no issues with respect to license coverage. We requested the Nuclear Regulatory Commission (NRC) raise the bulk storage limit for the SUC-1380 license from 10 million to 13 million kilograms in our April 8, 2011 letter to NRC Region III.

The following signatures of the radiation safety officers for both licenses show the Army request to consolidate the SUB-1578 license into the SUC-1380 license is being made in good faith and is technically sound. By signing this document, Crane Army Ammunition Activity acknowledges that the SUC-1380 license and application adequately covers all their depleted uranium ammunition logistics and handling needs.



Walter F. Shearin
Radiation Safety Officer, Crane Army Ammunition Activity



Kelly W. Crooks
Radiation Safety Officer, US Army Joint Munitions Command

Buckrop, Gary W USA CIV (US)

From: Brownlow, Calvin Jr USA CIV (US)
Sent: Wednesday, June 22, 2011 9:53 AM
To: Buckrop, Gary W USA CIV (US)
Cc: Crooks, Kelly W USA CIV (US)
Subject: Verification of Check Source
Attachments: RE: Bldg 170 Authorization for Crane, DLA 2011-003

The attachment is the email I received from Spectra Tech Inc. in responds to your request for specific info regarding the Pu239 check source at TOXCO.

Mr. Calvin Brownlow Jr.
Health Physicist
AMSJM-SF Rad Waste Directory
Army Joint Munitions Command Headquarters Rock Island, IL 61299-6000 Commercial (309)-782-7565 DSN 793-7565 Fax (309)-782-2289/2988 email calvin.brownlowjr@us.army.mil

Buckrop, Gary W USA CIV (US)

From: Paul Jones [pjones@denuke.com]
Sent: Thursday, June 16, 2011 5:05 PM
To: Brownlow, Calvin Jr USA CIV (US)
Cc: 'Mike Paessun'
Subject: RE: Bldg 170 Authorization for Crane, DLA 2011-003
Attachments: Inventory List as shipped.xlsx

Calvin,

After Mike verifies the attached. It will be submitted formally to you.

Line item 9 of the attached list was placed in container CRANE-B-04, of Toxco manifest CRANE-01, and accepted as Toxco Materials Management Center under Shipment Number A11091. If you require any additional information please do not hesitate to contact me.

Thank You,

Paul Jones
Mobile 865-591-8632.

-----Original Message-----

From: Brownlow, Calvin Jr USA CIV (US)
[\[mailto:calvin.brownlow2.civ@mail.mil\]](mailto:calvin.brownlow2.civ@mail.mil)
Sent: Thursday, June 16, 2011 12:09 PM
To: Paul Jones
Cc: 'Mike Paessun'
Subject: RE: Bldg 170 Authorization for Crane, DLA 2011-003

Because we are looking to have the Pu239 source removed from our license, can you supply me with documentation verifying that the Pu239 was indeed the check source? I never received an inventory of what you shipped.

-----Original Message-----

From: Paul Jones [<mailto:pjones@denuke.com>]
Sent: Friday, June 10, 2011 9:52 AM
To: Brownlow, Calvin Jr USA CIV (US)
Cc: 'Mike Paessun'
Subject: RE: Bldg 170 Authorization for Crane, DLA 2011-003

DLA 2011-003 CRANE ARMY PARTS										
Crane DRMO										
Line Item	Container	Shipped to	ISOTOPE	NSN	NOMENCLATURE	QTY	ACTIVITY (mCi)	mCi TOTAL	Bq TOTAL	REMARK
1	CRANE-B-05	Toxco, A11092, CRANE-02	Mg-Th	6605-00-151-5337	Cylinder	1	7.43E-06	7.43E-06	2.749E+02	DIPOSAL
2	ACERT-D-07,8	ACERT	Kr-85	2925-00-992-7904	Vibrator, Ignition Coil	61	1.00E-02	1.00E-02	2.257E+07	WPAFB
3	CRANE-B-06	Toxco, A11092, CRANE-02	Mg-Th	2840-01-331-7356	Accessory Gearbox	2	5.500E-02	1.100E-01	4.070E+06	DIPOSAL
4	CRANE-B-06	Toxco, A11092, CRANE-02	Mg-Th	N/A	Helicopter Parts	400 lbs.	7.00E-01	7.00E-01	2.590E+07	DIPOSAL
5	CRANE-B-05	Toxco, A11092, CRANE-02	Mg-Th	N/A	Engine	1	6.70E-02	6.700E-02	2.479E+06	DIPOSAL
6	CRANE-B-06	Toxco, A11092, CRANE-02	Mg-Th	2840-01-45-1267	Carrier and Gear	2	1.17E-01	1.053E+00	3.897E+07	DIPOSAL
Crane Army										
7	CRANE-B-04	Toxco, A11091, CRANE-01	Mg-Th	2840-01-45-1267	Carrier and Gear	7	1.17E-01	1.053E+00	3.897E+07	DIPOSAL
8	CRANE-B-04	Toxco, A11091, CRANE-01	Ni-63	6630-01-472-1451	Gas Chromatography	1	1.500E+01	1.500E+01	5.550E+08	DIPOSAL
9	CRANE-B-04	Toxco, A11091, CRANE-01	Pu-239	Model DNS-1	Eberline Check Source	1	1.00E-03	1.00E-03	3.700E+04	DIPOSAL
10	CRANE-D-01,2,3	ACERT	Pm-147	1340-01-050-8850	Law Sight	41,290	3.000E+00	1.239E+05	4.583E+12	ACERT
Exit Sign at Newport Chemical Depot										
			Isotope	S/N	Nomenclature	Model	Date Mfg	Qty	Activity (mCi)	Remarks
11	ACERT 9	ACERT	H3	A2AH376	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
12	ACERT 9	ACERT	H3	A2AH381	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
13	ACERT 9	ACERT	H3	A2AH372	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
14	ACERT 9	ACERT	H3	A2AH374	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
15	ACERT 9	ACERT	H3	A2AH373	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
16	ACERT 9	ACERT	H3	A2AH375	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
17	ACERT 9	ACERT	H3	A2AH378	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
18	ACERT 9	ACERT	H3	A2AH377	Exit Sign	T-4001	Aug-00	1	25000	WPAFB
19	ACERT 9	ACERT	H3	A2AH380	Exit Sign	T-4001	Aug-00	1	25000	WPAFB

Buckrop, Gary W USA CIV (US)

From: Brownlow, Calvin Jr USA CIV (US)
Sent: Wednesday, June 22, 2011 12:54 PM
To: Buckrop, Gary W USA CIV (US)
Subject: Verification of Check Source
Attachments: A11091 Crane NOWR

The attached document states that the Pu239 source shipped under manifest Crane-01 dated 5/23/11 has been received at TOXCO and transferred to Toxco's license.

Mr. Calvin Brownlow Jr.
Health Physicist
AMSJM-SF Rad Waste Directory
Army Joint Munitions Command Headquarters Rock Island, IL 61299-6000 Commercial (309)-782-7565 DSN 793-7565 Fax (309)-782-2289/2988 email calvin.brownlowjr@us.army.mil

Buckrop, Gary W USA CIV (US)

From: George Barnet [gbarnet@toxcommc.com]
Sent: Thursday, June 16, 2011 10:48 AM
To: Brownlow, Calvin Jr USA CIV (US)
Subject: A11091 Crane NOWR
Attachments: A11091 Crane NOWR

A11091 Crane NOWR

Mr Brownlow, Toxco accepts the material under our license # R-01037-E16.

Toxco

Toxco Materials Management Center (TMMC)
109 Flint Road, Oak Ridge, TN 37830
Phone: 865-482-5532 Fax: 865-482-5605

May 23, 2011

Paul Jones
DeNuke Services
704 S Illinois Ave # C203
Oak Ridge, TN 37830

Dear Mr. Jones:

The attached signed shipping manifest copies are your notice of receipt and acceptance of the radioactive materials specified on the manifests. The following manifests have been assigned the incoming shipping number at the TMMC of A11091.

<u>Manifest Number</u>	<u>Date</u>
Crane-01	5/23/11

This is acknowledgement of receipt only.

Sincerely,



George Barnet
RSO

TN License # T-TN057-L11 for delivery

APPROVED BY OMB: NO. 3180-0184
EXPIRES: 08/31/2013

Estimated burden per response to comply with this information collection request: 48 minutes. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 P53), U.S. Nuclear Regulatory Commission, Washington, DC 20545-0001, or by Internet e-mail to infocoll@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOS-10202, (3160-0184), 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.

NRC FORM 640 (8-2010)		U.S. NUCLEAR REGULATORY COMMISSION		SHIPPER ID. NUMBER		7. NRC FORM 540 AND 540A PAGE 1 OF 1 PAGE(S)		8. MANIFEST NUMBER	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER				A11091		None PAGE(S)		CRANE-01	
1. EMERGENCY TELEPHONE NUMBER (865) 501-8832		USER PERMIT NUMBER NA		SHIPMENT NUMBER A11091		<input type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR <input checked="" type="checkbox"/> GENERATOR TYPE (Specify) G		9. CONSIGNEE - Name and Facility Address	
ORGANIZATION DeNuke Services		CONTACT Walt Shearin, commander		TELEPHONE NUMBER (Include Area Code) 812-854-1268		Toxco Materials Management Center 109 Flint Road Oak Ridge, TN 37830		CONTACT George Barnett TELEPHONE NUMBER (Include Area Code) (865) 482-5532	
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		6. CARRIER - Name and Address TRIAD Transport, Inc. 1630 Diesel Ave Mableton, GA 30148		EPA I.D. NUMBER OKD981588784		SIGNATURE - Authorized consignee acknowledging waste receipt <i>Sant</i>	
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number		EPA MANIFEST NUMBER		CONTACT Cory Moss		SHIPPING DATE 08/18/2011		10. CERTIFICATION	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				SIGNATURE - Authorized carrier acknowledging waste receipt <i>Cory Moss</i>		TELEPHONE NUMBER (Include Area Code) 1-800-324-1139		DATE 5-12-11	
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)		12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES	
Radioactive material, excepted package-limited quantity of material, 7, UN 2910		NA		NA		Solid Oxide		M-43 Pu-239 (1)(a)(4)	
								16. TOTAL PACKAGE ACTIVITY (MBq) 5.9400E+02	
								17. LSA/SCO CLASS NA	
								18. TOTAL WEIGHT OR VOLUME (Use appropriate units) 500 LBS; 8 FT3	
								19. IDENTIFICATION NUMBER OF PACKAGE CRANE-B-04	
FOR CONSIGNEE USE ONLY									

Driver Copy