NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: (05/31/2015)

(05-2012) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. 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 Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 2100 RENAISSANCE BOULEVARD, SUITE 100 KING OF PRUSSIA, PA 19406-2713

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,

SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1600 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511

2 NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S.NUCLEAR REGULATORY COMMISSION JURISDICTIONS,

A. NEW LICENSE  ■ B. AMENDMENT TO LICENSE NUMBER  ■ C. RENEWAL OF LICENSE NUMBER  3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED				SAIC 10740 Thornmint Rd. San Diego, CA 92127  4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Jeff Johanning BUSINESS TELEPHONE NUMBER BUSINESS CELLULAR TELEPHONE NUMBER				
San Diego, CA 92592				(858) 826-9725 (951) 375-6655  BUSINESS EMAIL ADDRESS johanningj@saic.com				
SUBMIT ITEMS 5 THR	OUGH 11 ON 8-1/2 X 11" PAP	ER. THE TYPE AND SCOPE O	F INFORMA	TION TO BE I	PROVIDED IS DESCR	IBED IN THE LIC	CENSE APPLICATION	GUIDE.
RADIOACTIVE MATERIAL     Element and mass number; b. chemical and/or physical form; and c. maiximum amount which will be possessed at any one time.				6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.				
INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.				8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.				
9. FACILITIES AND EQUIPMENT.				10. RADIATION SAFETY PROGRAM.				
				12. LICENS	E FEES (See 10 CFR	170 and Section	170.31)	
11. WASTE MANAGE	MENT.				FEE CATEGORY AMOUNT ENCLOSED \$			
<ol> <li>CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND UPON THE APPLICANT.</li> </ol>						SENTATIONS MA	ADE IN THIS APPLICA	TION ARE BINDING
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS TRUE AND CORRECT TO THE REST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A C RIMINAL 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.							RUE AND CORRECT TO	
CERTIFYING OFFICER TYPED/PRINTED NAME AND TITLE				SIGNATURE	A CONTRACTOR OF THE CONTRACTOR		THE STREET SHEET A SECURE OF A	DATE
Jeffrey R. Johanning, Health Physicist V / RSO				Jeff	WR, I	shaning	2	12/19/12
	FOR NRC USE ONLY							
TYPE OF FEE F	EE LOG FEE CATE	GORY AMOUNT RECEIVED	CHECK	NUMBER	COMMENTS		The second secon	
APPROVED BY DATE				- 1010				

NRC FORM 313 (05-2012)



Dec. 19, 2012

Office of Federal & State Materials and Environmental Management Programs Division of Materials Safety and State Agreements U.S. Nuclear Regulatory Commission Washington, DC 20555-0001

RE: Amendment to License # 04-23994-01E to add exempt Ba-133 source installed in Xpose product line.

SAIC is requesting and amendment to our Exempt Distribution License # 04-23994-01E to include an Xpose product line of devices. The Xpose device will contain a10  $\mu$ Ci exempt quantity of Ba-133. The source capsule is manufactured and distributed to SAIC as an exempt source by our licensed vendor, Spectrum Techniques, L.L.C. located in Oak Ridge, TN. A drawing of the source capsule is shown in Attachment 1. The Xpose device will be distributed to persons exempt from licensing pursuant to 10 CFR 30.15(a)(9). The specifics of meeting the requirements of 10CFR §32.14 & §32.15 are outlined below. All commitments made by SAIC in previous correspondences in regards to distribution activities under license # 04-23994-01 will be followed by SAIC.

1) 10CFR§32.14(b)(1) Chemical and physical form and maximum quantity of byproduct material in each product;

Each source has a maximum of 10  $\mu$ Ci of Ba-133. The source is evaporated into a small aluminum rod and the top is sealed with epoxy to prevent any leakage of the byproduct material. The source is a sealed source and distributed to SAIC already as an exempt source from Spectrum Techniques. A drawing of the source is Attachment 1.

- 2) 10CFR§32.14(b)(2) Details of construction and design of each product;
  The product design is shown in attachment 2-5. The product is an integrated source shield/shutter device which includes a Source Disc, Source Heart, and Tungsten Wedge. The 3 parts of the shield/shutter mechanism are manufactured from tungsten for maximum shielding from the radiation and construction integrity. Additional lead shielding may be added as needed depending on specific Xpose product specifications and customer needs. The shield/shutter combination will be actuated by depressing 1 or 2 small button(s) for actuating arms as part of a rotational mechanism. This will rotate the source disc from the shielded position into the "on" position. The actuating arm mechanism is spring loaded to ensure safe return to the "closed (shielded)" position upon release of the button(s) and for Xpose storage.
  - 3) 10CFR§32.14(b)(3) The method of containment or binding of the byproduct material in the product;

The source will be delivered to SAIC as an exempt source from our licensed vendor. It is pressed into the tungsten source disc and to further ensure containment in the source disc, a drop of permanent epoxy will be applied to the source rod to permanently bind it into the source disc. The source - shield/shutter combination is completely enclosed so that the source disc cannot be inadvertently removed or fallout of the device.

10740 Thornmint Road San Diego, CA 92127



4) 10CFR§32.14(b)(4) Procedures for and results of prototype testing to demonstrate that the material will not become detached from the product and that the byproduct material will not be released to the environment under the most severe conditions likely to be encountered in normal use of the product;

The most severe condition likely to be encountered is for the user to drop the device onto a hard surface. The prototype testing to demonstrate source containment or that the material will not be released into the environment was a drop test of the device from 5 ft. onto a hard surface. Procedure and results are given in Attachment 6.

Based on the results of the prototype testing, SAIC believes that the material is properly contained in the source rod and that the source rod will not become detached from the source disc under the most severe conditions that are likely to be encountered in normal use and handling.

5) 10CFR§32.14(b)(5) Quality control procedures to be followed in the fabrication of production lots of the product and the quality control standards the product will be required to meet:

Each source-shield/shutter will be manufactured to precise dimensions. Each device will be visually inspected and tested for leakage of material. Also, SAIC Thornmint is ISO 9001.2008 certified for manufacturing detection devices. A copy of the certification is shown in Attachment 7. Also, a copy of our program manual was submitted as part of SAIC's license application. All applicable ISO 9009.2008 process according to our manual will be followed for the fabrication of the device.

6) 10CFR§32.14(b)(6) The proposed method of labeling or marking each unit, except timepieces or hands or dials containing tritium or promethium-147, and its container with the identification of the manufacturer or initial transferor of the product and the byproduct material in the product;

The source disc is typically labeled RADIOACTIVE, identifying SAIC as the manufacturer, the activity of the source as 10  $\mu$ Ci, and the isotope as Ba-133 as shown in Attachment 2. When the entire Xpose module is assembled the source disc and label are covered and an appropriate label is placed on the outside of the assembly to indicate Xpose contains a radioactive source. A copy of a typical label on the outermost assembly is shown in Attachment 8.

- 7) 10CFR§32.14(b)(7) For products for which limits on levels of radiation are specified in § 30.15 of this chapter, the radiation level and the method of measurement;
  Radiation levels are not limited for this product under this section. However, a radiation survey has been completed and the maximum radiation level measured at 2 inches is 0.030 mr/hr with the shutter closed.
  - 8) 10CFR§32.14(c) Each product will contain no more than the quantity of byproduct material specified for that product in § 30.15 of this chapter. The levels of radiation from each product containing byproduct material will not exceed the limits specified for that product in § 30.15 of this chapter.

Each Xpose device will contain no more than one 10 μCi source of Ba-133 byproduct material.



9) 10CFR§32.14(d) The Commission determines that the byproduct material is properly contained in the product under the most severe conditions that are likely to be encountered in normal use and handling.

See results of SAIC's prototype testing in Attachment 6.

10) 10CFR§32.15(a)(1) Maintain quality assurance practices in the manufacture of the part or product, or the installation of the part into the product.

SAIC will maintain the quality assurance practices as applicable in our ISO 9001.2008 certification and standard health physics practices to ensure safety to the public and SAIC employees during the manufacturing and installation of the Xpose device.

- 11)10CFR§32.15(a)(3) Visually inspect each unit, except electron tubes containing byproduct material, in inspection lots. Any unit which has an observable physical defect that could affect containment of the byproduct material shall be considered as a defective unit.

  Each device will be visually inspected and tested for leakage of material. Any component that could affect the containment of the byproduct material shall be considered defective and will either be repaired or replaced prior to distribution of Xpose.
  - 12)10CFR§32.15(c) No person licensed under § 32.14 shall transfer to other persons for use under § 30.15 of this chapter or equivalent regulations of an Agreement State any part or product which has been tested and found defective

SAIC will not distribute any of the devices that are determined to be defective.

13)10CFR§32.18(d) The applicant submits copies of prototype labels and brochures and the Commission approves such labels and brochures

A sample of the labeling for Xpose is shown in the attachments and a preliminary brochure sheet is included as Attachment 9.

If you have any questions regarding this amendment request, please feel free to contact me.

Jeffrey R. Johanning
Jeffrey R. Johanning

Health Physicist V / RSO

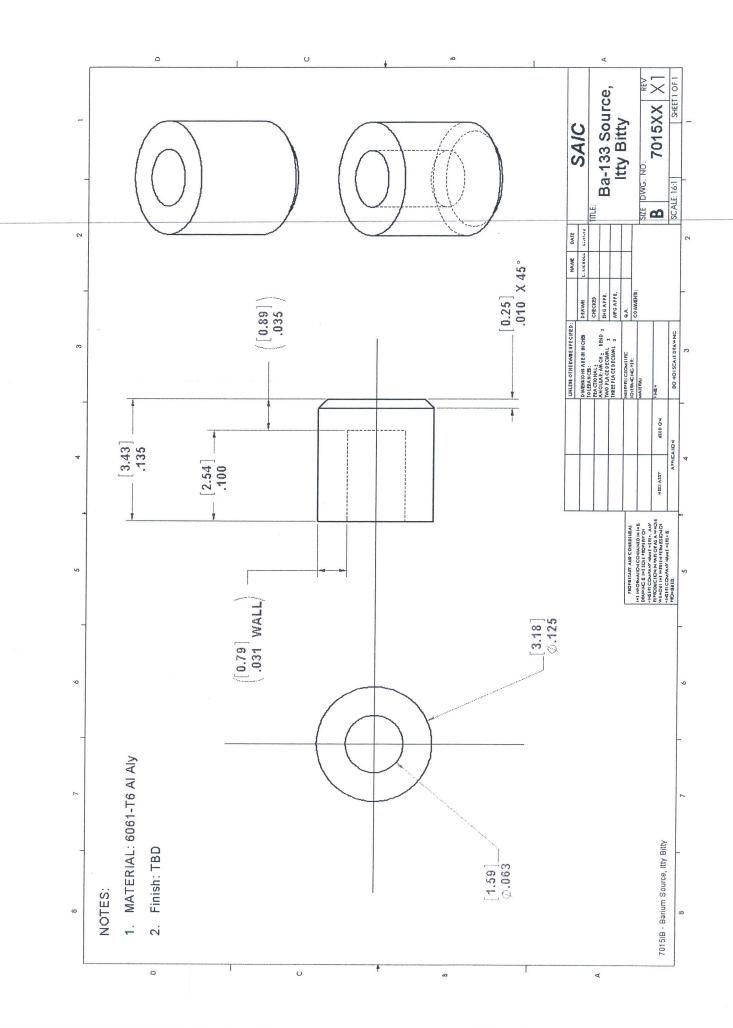
SAIC

858-826-9725

johanningi@saic.com

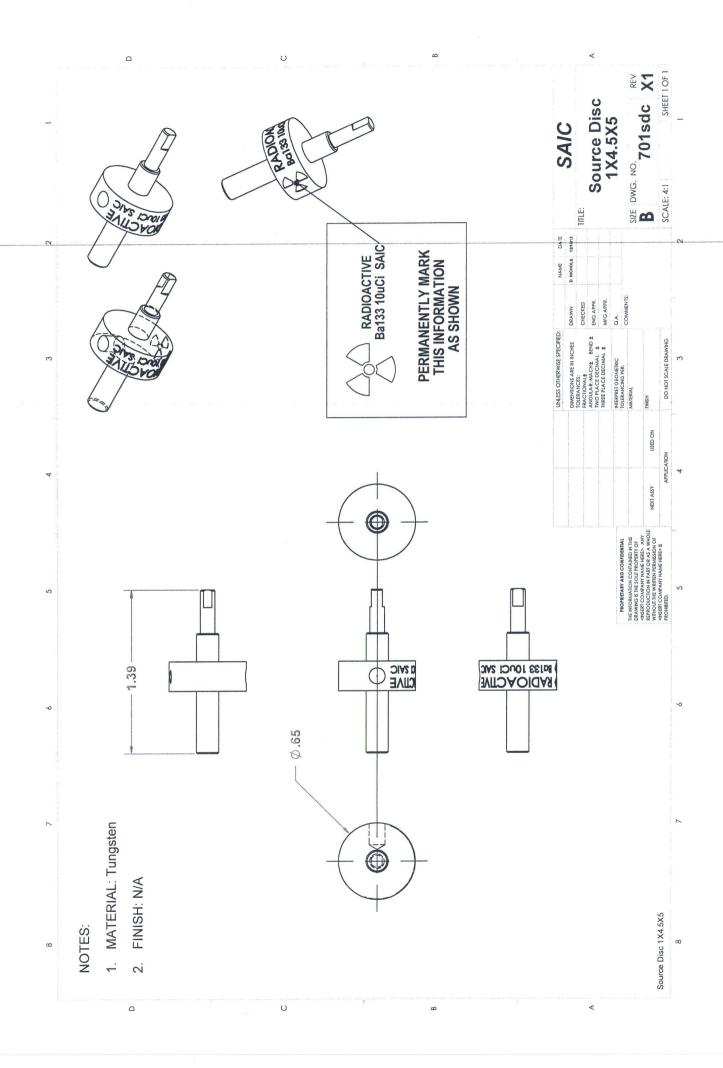


ATTACHMENT 1: BA-133 SOURCE CAPSULE (ITTY BITTY)





ATTACHMENT 2-5: SOURCE DISC; SOURCE HEART; TUNGSTEN WEDGE; AND SHIELD SHUTTER ASSEMBLY



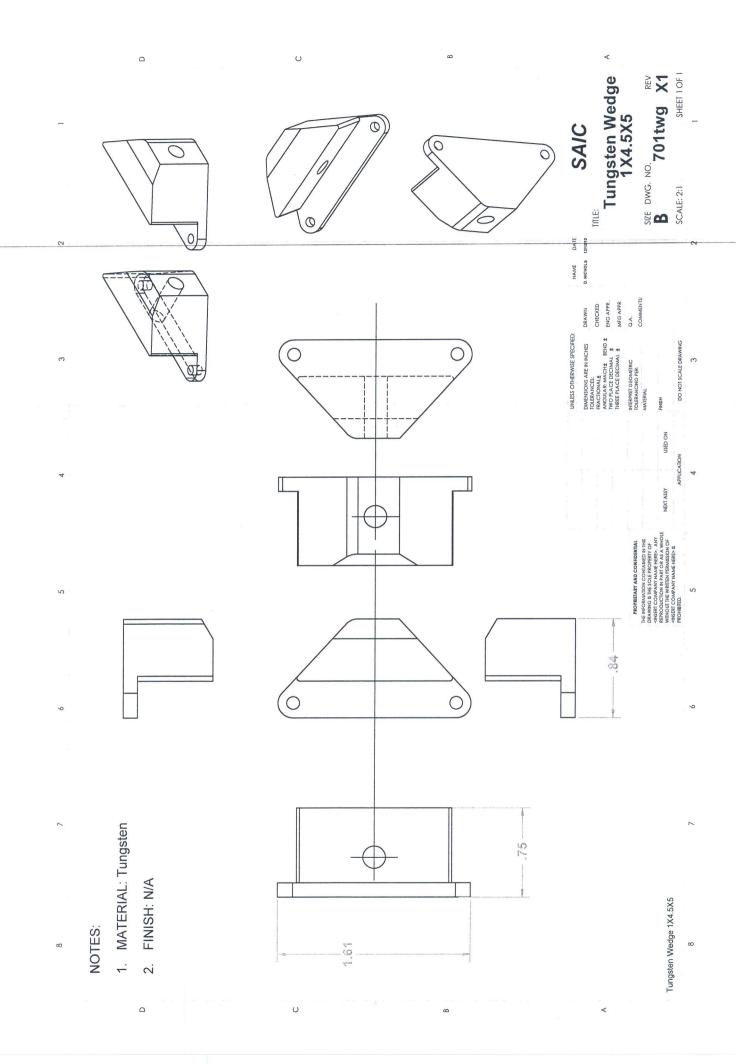
Ω O 822 DWG. NO. REV X1 SALET 1 OF 1 Source Heart 1X4.5X5 SAIC D. NICHOLS 12/1012 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES 0 1. MATERIAL: Tungsten 2. FINISH: N/A Source Heart 1X4.5X5

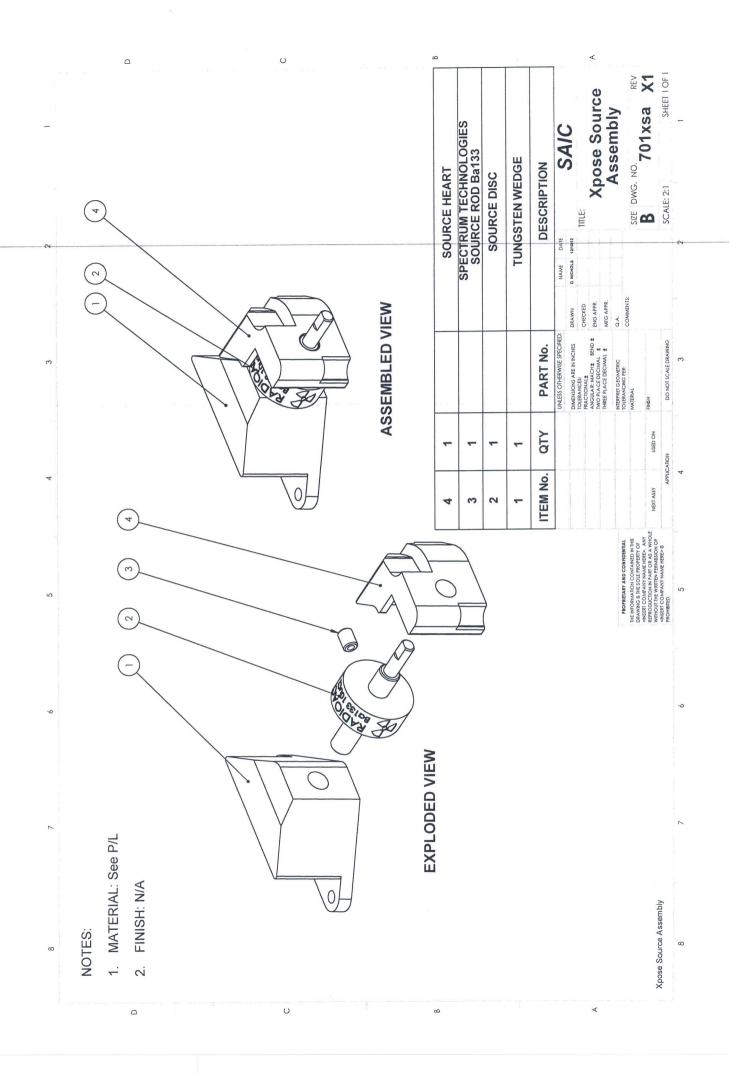
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NOTES:

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**ATTACHMENT 6:** 

PROCEDURES FOR AND RESULTS OF PROTOTYPE TESTING

Test Procedure: Xpose Drop Test

### **Xpose Drop Test**

Date: 12/12/12

Prepared by: Jeff Johanning Héalth Physicist V / RSO

Science Applications International Corporation 10740 Thornmint Rd. San Diego, California 92127 858-826-9725 Johanningj@saic.com



This document may contain technical data proprietary to Science Applications International Corp.



Test Procedure: Xpose Drop Test

### 1 Test Description

The Xpose Contraband Detection System uses a 10 uCi Ba-133 source to inspect hidden walls or compartments for contraband. The source is installed into a tungsten shield/shutter and kept in the closed position until turned on. The purpose of this test is to drop the Xpose device onto a hard surface to ensure the byproduct material will not be released into the environment. In order to match the most likely severe condition for this test, the Xpose device is to have installed:

- the source shield/shutter mechanism
- a digital and display board (not necessarily operable)
- a dummy detector crystal
- batteries

This will ensure that the mass (weight) of the Xpose is matched to a real operating unit. When fully implemented with all components, the mass of Xpose is 714 gm.

**NOTE:** The Xpose device under test is not an operable unit. The test is designed to demonstrate that the Ba-133 material will not become detached from the source disc and that the byproduct material will not be released to the environment under the most severe conditions likely to be encountered in normal use of the product. It is not required that the Xpose device functionality survive the drop test.

### 2 Objectives

### **Primary**

 Demonstrate that the material will not become detached from the source disc and that the byproduct material will not be released to the environment under the most severe conditions likely to be encountered in normal use of the product (dropping Xpose onto a hard surface).

### Secondary

Determine weak points (if any) of stress of any non-source related components.

### 3 Equipment:

- Xpose test prototype with source shield/shutter and all other listed components installed
- Measuring tape
- Video camera

### 4 Procedure

a) Measure mass (weight) of Xpose

714 gm 5

b) Wipe test the source for removable contamination before the drop test.c) Drop Xpose from gradually increasing heights onto a rubberized surface

 18"
24"
36"

### Test Procedure: Xpose Drop Test

d) Drop Xpose from gradually increasing heights (up to 5 ft) onto a hard surface

12"	
24"	
36"	
48"	
60"	

- e) Visually inspect the source disc to ensure the source capsule did not dislodge from the disc.
- f) Wipe test the source to ensure there is no release of the byproduct material from the source capsule after drop test. (attach wipe results)



### SAIC WIPE TEST RESULTS RECORD

Counter S/N: 375 Cal. Due Date: 6/12/13 Date: 12/14/12

☐ Semi-annual source leak test ☐ Other: ☐ Other: ☐ Other: ☐ Other: ☐ Other: ☐ Prototyre #01

 $MDA_{\alpha} = 5.91 \times 10^{-6} \quad \mu Ci; MDA_{\beta \gamma} = 7.31 \times 10^{-5} \quad \mu Ci$ 

Wipe #	Source	Site/Location	Time of	Wipe	Wipe F	Results
	S/N		receipt	Date	α	βγ
0	56-133-4	Pre-drop test wipe of Source disc	NIA	12/12/12	4MDA	4 MDA
	56-133-4	Post-chop test wipe of source disc	NIA	12/12/12	<b>EMDA</b>	LMDA
		/				
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		All whoestable Johnson				
	/	\6				
		al limit.		-	/_	
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Wipe Test Results L	imits	
External Surface of Package (βγ) (49CFR173.443)	220 dpm/cm <sup>2</sup>	1E-4 μCi/cm <sup>2</sup>
External Surface of Package (α) (49CFR173.443)	220 dpm/cm <sup>2</sup>	1E-4 μCi/cm <sup>2</sup>
Sealed Source Leak Test (10CFR30)	0.005 μCi	



### QUALITY CONTROL RECORD

HandeCou	int S/N: 375	Cal Due Date: 00	6/12/13
	So	urces Used	
Isotope	Ser	ial Number	4π Eff.
Pu-239	9	4-239-35	0.346
Tc-99	4	3-99-214	0.140

$$LLD = 3 + 3.29 \sqrt{(\text{CPM}_{\text{BKGD}} * \text{TIME}_{\text{SAMPLE}}(1 + \frac{\text{TIME}_{\text{SAMPLE}}}{\text{TIME}_{\text{BKGD}}})}$$

$$\text{If TIME}_{\text{SAMPLE}} = 1 \text{ min and TIME}_{\text{BKGD}} = 10 \text{ min:}$$

$$LLD = 3 + 3.29 \sqrt{CPM}_{BKGD} * 1.1$$

$$MDA(\mu Ci) = \frac{LLD}{Efficiency * 2.22E6}$$

7				33			
Date	Bkgd	Source	LLD	MDA	Comments	Pas	s 3σ
	(cpm)	(cpm)	counts	μCi		Yes	No
12/10/12 12/14/12	0.70 a	18868	5.9	7.660.6		8	
	39.8 BY	454/3	21.8	7.978-5		8	
12/1/1	0.2 a	18838	4.5	5.912-6		25	
12/14/12	32.7 By	4454	27.7	132-5		8	
	α						
	βγ						
	α					-	
	βγ						
	α						
	βγ	100				-	
	α						
	βγ						
*	α						
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	βγ						9
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	βγ			. 1			
	α						
2	βγ						
	α					-	
	βγ						
	α						
	βγ						



**ATTACHMENT 7:** 

ISO 9001.2008 CERTIFICATE



# PERRY JOHNSON REGISTRARS, INC.

## Certificate of Registration

Perry Johnson Registrars, Inc., has assessed the Quality Management System of:

SAIC Advanced Engineering & Applied Science Division
10740 Thornmint Road, San Diego, CA 92127 United States

(Herstrafter called the Organization) and hereby declares that

Organization is in conformance with:

ISO 9001-2008

This Registration is in respect to the following scope of supply:

Design, Manufacture and Deployment of Radiation Detection and Advanced Radiation Imaging Systems in support of Critical National Security Needs

Such products shall be manufactured by the Organization at, or such processes or services shall be offered at or from, only the address given above. This Registration is granted subject to the system rules governing the Registration referred to above, and the Organization hereby covenants with the Assessment body duty to observe and comply with the said rules.

For PJR:

Terry Boboige, President

Perry Johnson Registrars, Inc. (PJR) 755 West Big Beaver Road, Suite 1340 Troy, Michigan 48084

(248) 358-3388

ANAB



The validity of this certificate is dependent upon ongoing surveillance.

Revision Date:

Expiration Date:

Effective Date: May 8, 2010

July 20, 2011

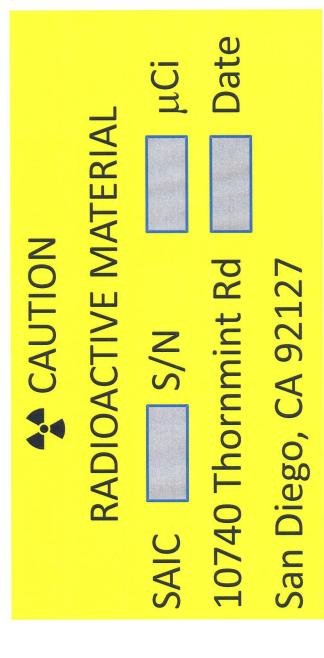
May 7, 2013

Certificate No.: C2010-01321-R1



**ATTACHMENT 8:** 

TYPICAL LABLE FOR XPOSE





**ATTACHMENT 9:** 

**XPOSE BROCHURE** 



The Xpose contraband detector is a compact, lightweight, rugged handheld density meter designed to aid law enforcement officials with the detection of hidden objects.

Frequently contraband is covertly hidden in inaccessible areas, such as walls, tires, bulkheads, etc. where direct observation is not possible. Xpose gives an indication of contraband concealed in these locations. It works by measuring changes in density across the target area. Unexpected changes indicate the presence of hidden objects or compartments.

The ruggedized Xpose unit has been designed with an ergonomic grip, anti-scratch detection surface, integrated safety wrist strap and a large easy-to-read illuminated graphical display. It's lightweight (more than 30 percent lighter than other contraband detectors) and designed for ambidextrous operation.





- · Dual detectors for faster response and increased penetration
- · Ergonomic one-hand, onetouch operation
- · High quality graphical display
- · Ruggedized for use in industrial and outdoor environments
- · Lightweight, compact design
- · Built-in test and selfcalibration

	Specification
Dimensions	5.8"x2.9"x1.7"
Weight	1.6 lbs (714g)
Display	400 x240 video graphic display
Battery	(3) AA alkaline batteries
Battery life	40 hours continuous "ON" duty, up to 6 months of stand-by
Operational modes	<ul> <li>A) Survey: Xpose observes environment giving indication of radiation sources that maybe present</li> <li>B) Inspect: Xpose probes surface and provides user with indication of anomalous changes in density indicating contraband</li> <li>C) Calibration</li> <li>D) Built-in-test</li> </ul>
Source	Barium 133, exempt quantity (not exceeding 10 microcuries, 370 kBq)
Detector	Dual CsI(TI)
Depth of reading	7 inches

Visit us online: saic.com

### FOR MORE INFORMATION

Doug Ramsayer 858-826-6580 ramsayerd@saic.com





# Instructions Relating to the Handling, Use, Storage, and Disposal of Radioactive Material

The radioactive material contained in this device is exempt from U.S. NRC and/or U.S. Agreement State licensing requirements. Radioactive Material - Not for Human Use - Introduction into foods, beverages, cosmetics, drugs, or medicinals or introduction into products manufactured for commercial distribution (without appropriate U.S. NRC and /or Agreement State license) is prohibited. Exempt quantities should not be combined. The following precautions should be observed when using this material.

1. Handling

Although the quantities of radioactive material contained in these products is extremely small, the basic radiation principles of time, distance, and shielding should be practiced as effective methods for minimizing exposure.

Use of radioactive material should be only by responsible persons in authorized areas.

Eating, drinking, smoking, and the application of cosmetics should be prohibited in areas of use.

Gloves and laboratory coats should be worn when working with liquid radioactive material.

### 2. Use

Exempt quantity licensed products containing radioactive material should be used only as intended by the manufacturer and in accordance with the instructions provided with the products.

3. Storage

All radioactive materials should be securely stored when not in use.

4. Disposal

These exempt distribution products may be disposed of in regular waste without regard to their radioactive content providing the **customer** is **not** a **specific licensee** and all radiation symbols have been removed or defaced.

If the customer (laboratory/academic institution) receiving the exempt quantity is a specific licensee, then the customer is subject to the requirements of 10 CFR Part 20 in areas where 10 CFR 30. 15 and 30.18 is silent (e.g., waste disposal).

# 

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Science Applications
International Corporation
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Office of Federal & State Materials and Environmental Management Programs
Div of Materials Safety & State
Agreements
U.S. Muclear Rapulatory Connission
Washington, D.C. 20555-0001

10740 Thornman Rd. Sen Diego, CA 92127

Exbress



From: (858) 826-9906 PAT PERREIRA SAIC-Div 00212 10740 THORNMINT ROAD

SAN DIEGO, CA 92127

Origin ID: CLDA

SHIP TO: (301) 415-7000

**BILL SENDER** 

**Environmental Mgmnt Programs** Office Federal & Statel Materials & **Materials Safety & State Agreements** U.S. Nuclear Regulatory Comm. Washington DC, DC 20555

Ship Date: 20DEC12 ActWgt: 0.5 LB CAD: 4554146/INET3300

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Invoice #

PO# Dept#

TRK#

0201

Div 212

FRI - 21 DEC A1 STANDARD OVERNIGHT

**ASR** 20555

DC-US IAD

**XC NSFA** 

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1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

2. Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number. Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, nondelivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.