

**Subject:** Request for Amendment.  
NRC Materials License 47-35262-01

US Nuclear Regulatory Commission  
Region I  
King of Prussia, Pennsylvania  
19406

Br. 2  
03038861

REC RG 1012716 AM1004

Pursuant to the NUREG-1556 Volume 1, Revision 1, Section 10, Amendments to a License, Premier Energy Services LLC is hereby requesting an amendment to the current NRC Materials License Number 47-35262-01.

We are requesting our current license to be amended to include the following changes:

We would like to be authorized for two (2) Nuclear Density Gauges with the following material type and amount:

Cesium-137 Source Activity 370MBq (10mCi)

Special Form Registration: USA/0356/S-96 Rev 13

The devices to be used are :Humbolt Scientific, Inc. Nuclear Density Gauge Model Number ; HS-5001SD121

Sincerely,



**Sean E. O'Hara**

General Manager / Radiation Safety Officer



P.O. Box 67  
Clarksburg, WV 26302  
C: 304-627-3588  
O: 304-624-0989  
F: 304-624-3106

592122  
NMSS/RGNI MATERIALS-002

(06-2016)  
10 CFR 30, 32, 33, 34,  
35, 36, 37, 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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollections.Resource@nrc.gov](mailto:Infocollections.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 CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

MATERIALS SAFETY LICENSING BRANCH  
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:****IF YOU ARE LOCATED IN:**

ALABAMA, 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

**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.**

**1. THIS IS AN APPLICATION FOR (Check appropriate item)**☐

A. NEW LICENSE

☒

B. AMENDMENT TO LICENSE NUMBER

47-35262-01

☐

C. RENEWAL OF LICENSE NUMBER

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

1 DANE STREET  
CLARKSBURG, WV 23601

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

PREMIER ENERGY SERVICES LLC  
PO BOX 67  
CLARKSBURG, WV 26302

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

SEAN O'HARA

**BUSINESS TELEPHONE NUMBER**

304-624-09

**BUSINESS CELLULAR TELEPHONE NUMBER**

304-672-35

**BUSINESS EMAIL ADDRESS**

sohara@premierenergyserviceswv.com

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

**5. RADIOACTIVE MATERIAL**

- a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

**6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.****7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.****8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.****9. FACILITIES AND EQUIPMENT.****10. RADIATION SAFETY PROGRAM.****11. WASTE MANAGEMENT.****12. LICENSE FEES (Fees required only for new applications, with few exceptions\*)**

(See 10 CFR 170 and Section 170.31)

\*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE

CATEGORY

AMOUNT

ENCLOSED \$

**13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.**

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, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.

**CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE**

SEAN E. O'HARA  
GENERAL MANAGER/RADIATION SAFETY OFFICER

**SIGNATURE**

Sean E. O'Hara

**DATE**

10-7-16

**FOR NRC USE ONLY**

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
APPROVED BY				DATE	



U.S. Department  
of Transportation

1200 New Jersey Avenue, S.E.  
Washington, D.C. 20590

**Pipeline and  
Hazardous Materials  
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0356/S-96, REVISION 13**

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - Eckert & Ziegler Isotope Products Model HEG-XXX Series (A3000, A3000-1, A3015, A3015-1, A3023, A3024-1, A3024-2, A3024-3, and A3024-4), where XXX represents the radionuclide mass number.
2. Source Description - Cylindrical double encapsulations made of Type 304 or 304L stainless steel and fusion welded. Approximate external dimensions are 6.4 mm (0.25 in.) in diameter and 15.9 mm (0.625 in.) in length (Models A3000 and A3000-1); 6.0 mm (0.236 in.) in diameter and 8.0 mm (0.315 in.) in length (Models A3015 and A3015-1); 6.0 mm (0.236 in.) in diameter and 12.0 mm (0.473 in.) in length with one end having an internal 3-48 thread (Model A3023); and 6.0 mm (0.236 in.) in diameter and 10.0 mm (0.394 in.) in length (Models A3024-1, A3024-2, A3024-3, and A3024-4). Construction shall be in accordance with attached Isotope Products Laboratories Drawing Nos. 3000 or 3015 (Sheet 3 or 4 of 8); or Eckert & Ziegler Isotope Products Drawing Nos. 3023, 3000 or 3024 (Sheet 4 or 5 of 8).
3. Radioactive Contents - The sources described by this certificate are authorized to contain any one of the following radionuclides in the chemical form identified and limited to the activity shown.

<u>Radionuclide</u>	<u>Form</u>	<u>Activity GBq (Ci)</u>	
Na-22	NaCl in gold or ceramic	3.7	(0.10)
Co-57	CoCl <sub>2</sub> or CoO in ceramic or Co metal plated on Ni foil	11.1	(0.30)
Co-58	CoCl <sub>2</sub> or CoO in ceramic	11.1	(0.30)
Co-60	CoCl <sub>2</sub> or CoO in ceramic or 1 mm x 1mm Ni clad Co	22.2	(0.60)
Ge-68	GeO <sub>2</sub> in silver	1.9	(0.05)
Ba-133	BaSO <sub>4</sub> in ceramic	3.7	(0.10)
Cs-137	CsCl in gold or Cs in ceramic	22.2	(0.60)
Eu-152	Oxide in gold or ceramic	0.74	(0.020)
Ra-226	RaSO <sub>4</sub> in gold or ceramic	1.9	(0.05)
Cf-252	Oxide in metal or ceramic	0.037	(0.001)
Actinides*	Oxides in gold or ceramic	1.9	(0.05)

\*(Isotopes of Ac, Th, Pa, Np, U, Pu, Am, and Cm only)

4. Quality Assurance - Records of Quality Assurance activities required by paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

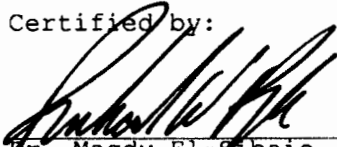
(- 2 -)

**CERTIFICATE USA/0356/S-96, REVISION 13**

5. Expiration Date - This certificate expires on October 31, 2019.

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the October 10, 2014 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified by:

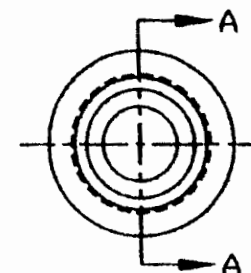
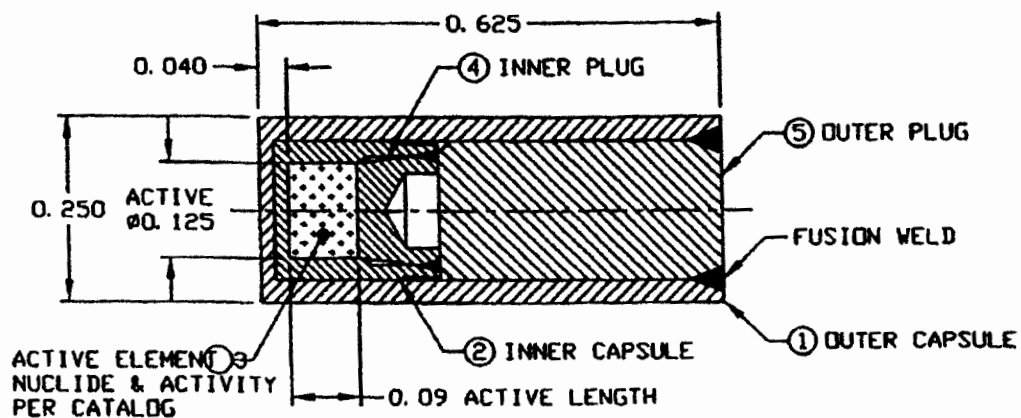


Dr. Magdy El-Sibaie  
Associate Administrator for  
Hazardous Materials Safety

**OCT 21 2014**

\_\_\_\_\_  
(DATE)

Revision 13 - Issued to extend the expiration date and update Drawing No. 3023.




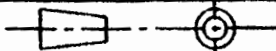
SECTION A-A

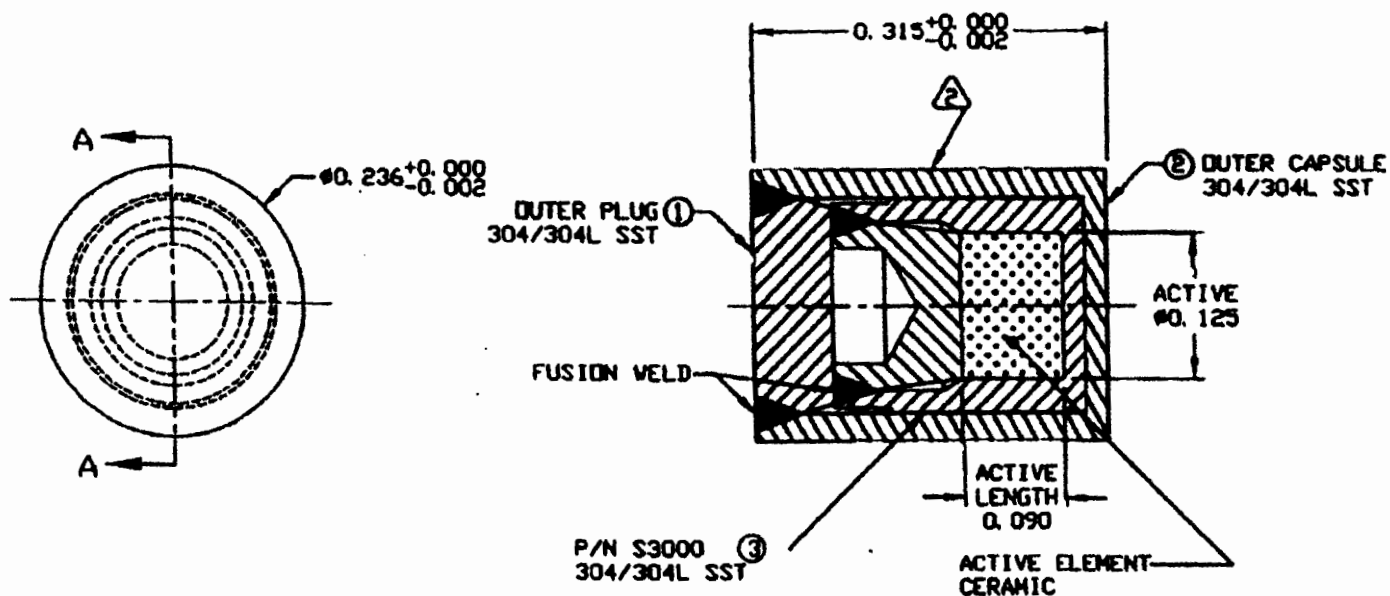
3. IDENTIFY PART NUMBER
2. ALL CAPSULES AND PLUGS ARE MADE FROM 304 OR 304L STAINLESS STEEL AND THE ACTIVE ELEMENT IS CERAMIC
1. ASSEMBLE COMPLETE PER ENGINEERING DRAWING AND FUSION WELD AS REQUIRED

SECTION A-A

NOTES: UNLESS OTHERWISE SPECIFIED

P/N A3000 ASSEMBLY, MODEL 225 POINT SOURCE

 <b>Isotope Products Laboratories</b> An Eckert & Ziegler Company VALENCIA, CALIFORNIA 91355	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DESIGN EZ/DI	DRAWING TITLE MODEL 225 POINT SOURCE			
	TOLERANCES ON			SCALE	SERIES TITLE INDUSTRIAL SOURCES, HIGH INTENSITY GAMMA AND NEUTRON			
	FRAC- TION	DECIMAL	ANGLE	NONE				
	±1/64	±.1   .01   .002	±.5°					
THIRD ANGLE PROJECTION				SIZE	CAGE CODE	REVISION	DRAWING NUMBER	SHEET
				A	32993	K	3000	3 OF 10



3. IDENTIFY PART NUMBER

② ENGRAVE CHARACTERS 0.060 HIGH x 0.003 DEEP MAXIMUM  
AS SHOWN

IPL NUCLIDE ACTIVITY SERIAL NUMBER

1. ASSEMBLE COMPLETE PER ENGINEERING DRAWING  
AND PER PROCEDURE

NOTES: UNLESS OTHERWISE SPECIFIED

P/N A3015 ASSEMBLY



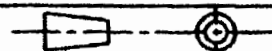
**Isotope Products**  
Laboratories

An Eckert & Ziegler Company  
VALENCIA, CALIFORNIA 91355

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

FRACTION	TOLERANCES ON DECIMAL			ANGLE
	X	XX	XXX	
±1/64	±.1	.01	.002	±.5°

THIRD ANGLE PROJECTION



DESIGN  
EZ/DI

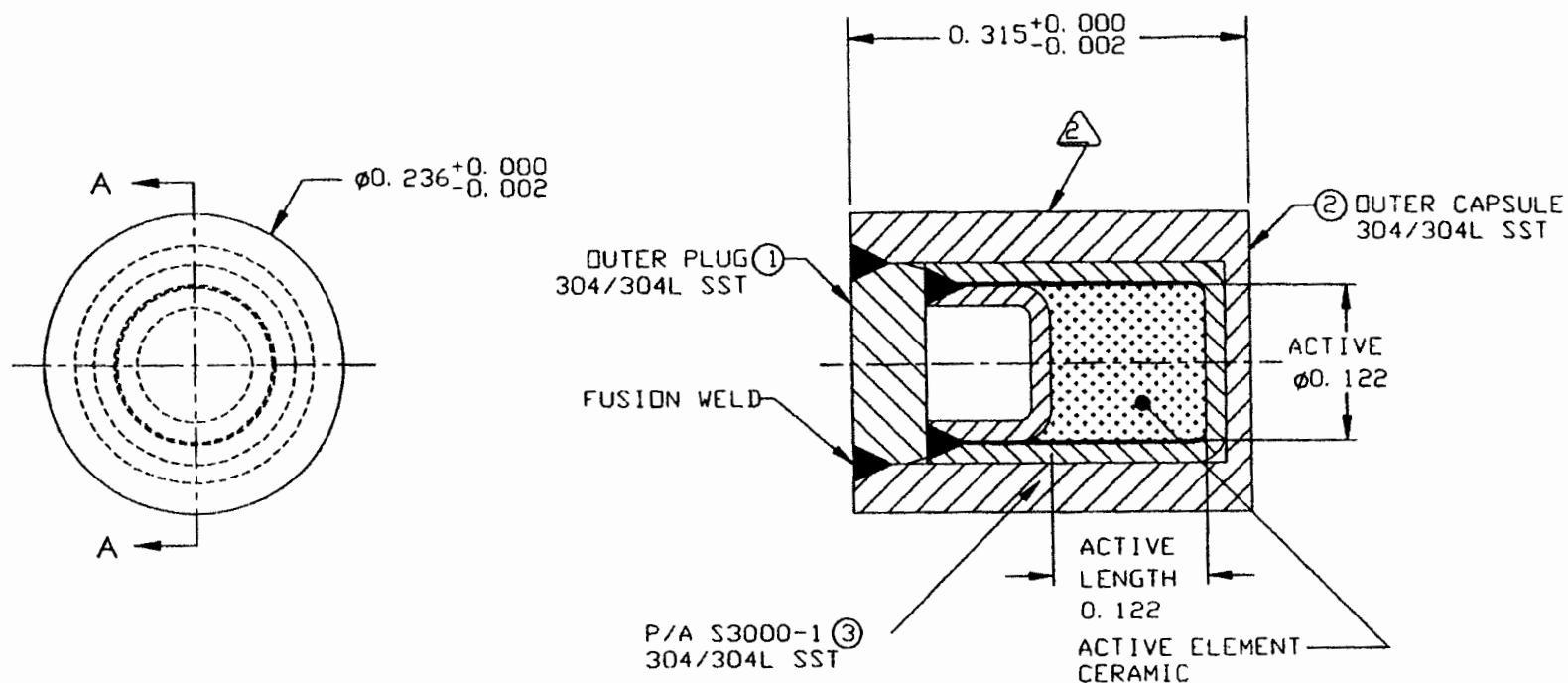
SCALE  
NONE

SIZE  
A

DRAWING TITLE  
SPECIAL 225 CAPSULE,  
GAMMA POINT SOURCE

SERIES TITLE  
INDUSTRIAL SOURCES, HIGH INTENSITY  
GAMMA AND NEUTRON

CAGE CODE	REVISION	DRAWING NUMBER	SHEET
32993	G	3015	3 OF 8



### 3. IDENTIFY PART NUMBER

② ENGRAVE CHARACTERS 0.060 HIGH x 0.003 DEEP MAXIMUM  
AS SHOWN:  
IPL NUCLIDE ACTIVITY SERIAL NUMBER

1. ASSEMBLE COMPLETE PER ENGINEERING DRAWING  
AND PER PROCEDURE

NOTES: UNLESS OTHERWISE SPECIFIED

A3015-1 ASSEMBLY



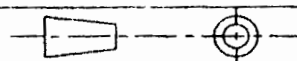
**Isotope Products**  
Laboratories

An Eckert & Ziegler Company  
VALENCIA, CALIFORNIA 91355

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

FRACTION	TOLERANCES ON			ANGLE
	DECIMAL	XX	XXX	
$\pm 1/64$	$\pm .1$	$\pm .01$	$\pm .002$	$\pm .5^\circ$

THIRD ANGLE PROJECTION



DESIGN  
EZ/DI

SCALE  
NONE

SIZE  
A

DRAWING TITLE  
SPECIAL 225 CAPSULE,  
GAMMA POINT SOURCE

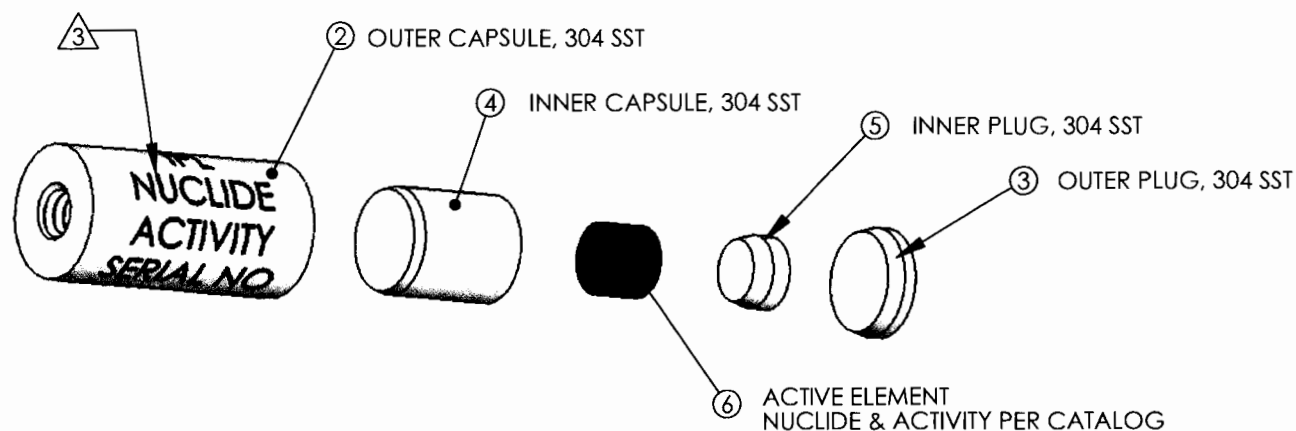
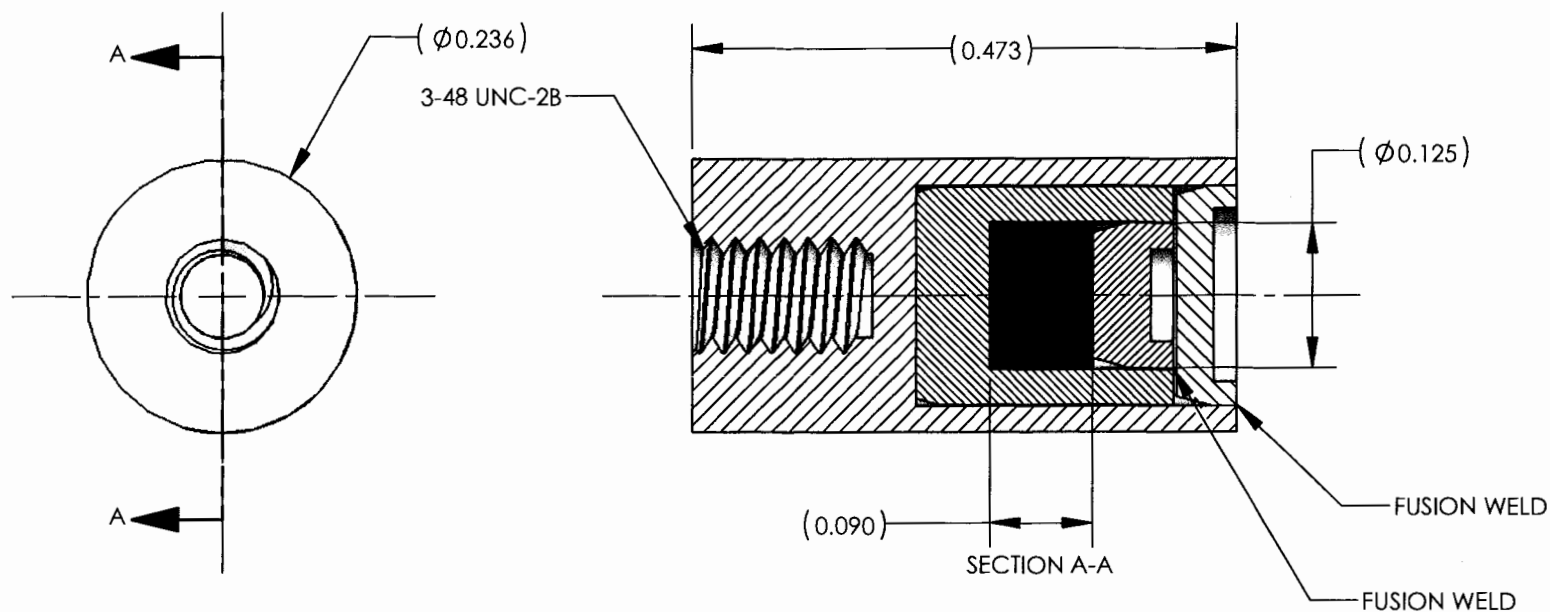
SERIES TITLE  
INDUSTRIAL SOURCES, HIGH INTENSITY  
GAMMA AND NEUTRON

CAGE CODE  
32993

REVISION  
G

DRAWING NUMBER  
3015

SHEET  
4 OF 8



3. ENGRAVE CHARACTERS 0.060 HIGH X 0.003 DEEP MAX AS SHOWN (BLACK FILL)  
 1. ENGRAVE CHARACTERS 0.060 HIGH X 0.003 DEEP MAX AS SHOWN (BLACK FILL)  
 2. PACKAGE AND IDENTIFY PART NUMBER THEREON  
 1. ASSEMBLE PER ENGINEERING DRAWING  
 NOTES: UNLESS OTHERWISE SPECIFIED

P/N A3023 GAMMA METRICS ASSEMBLY



**Eckert & Ziegler**  
Isotope Products

VALENCIA, CALIFORNIA 91355

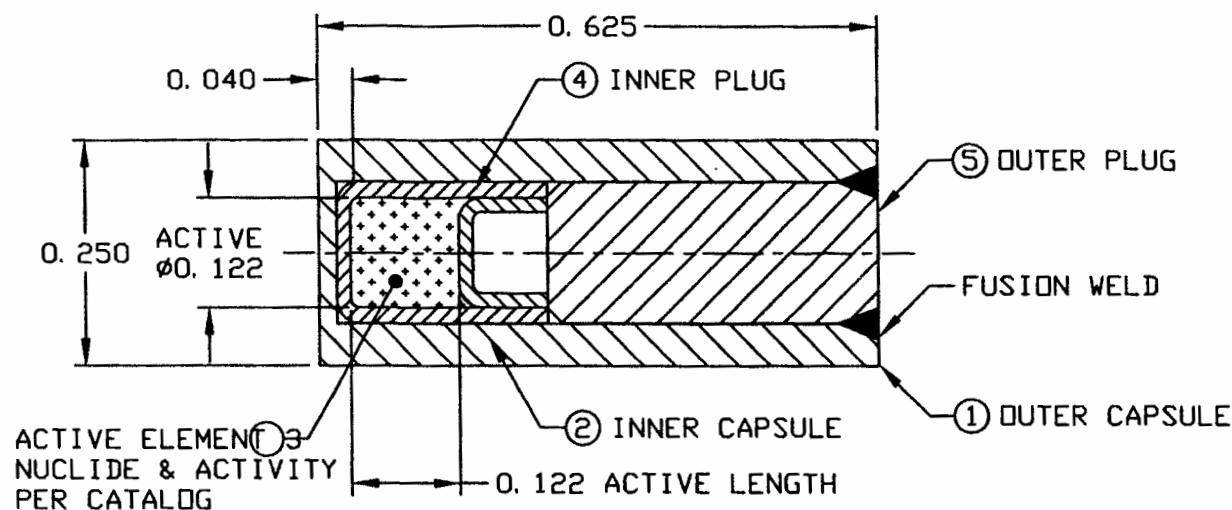
THIS DRAWING IS THE PROPERTY OF ECKERT & ZIEGLER ISOTOPE PRODUCTS  
 AND MAY NOT BE USED, REPRODUCED, PUBLISHED OR DISCLOSED TO OTHERS  
 WITHOUT EXPRESS AUTHORIZATION BY ECKERT & ZIEGLER ISOTOPE PRODUCTS.

CAGE CODE	32993	DRAWING SIZE	LETTER
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCH SIZES. METRIC UNITS [mm] ARE IN MILLIMETERS.			
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			
X.XXX	± .002	INCH	ANGULAR TOLERANCE OF 0°±30°
X.XX	± .005	INCH	FRACTIONAL DIMENSIONS ± 1/32"
X.X	± .03	INCH	REFERENCE DIMENSIONS ( ) N/A
X.	± .1	INCH	SURFACE ROUGHNESS μINCH MAX

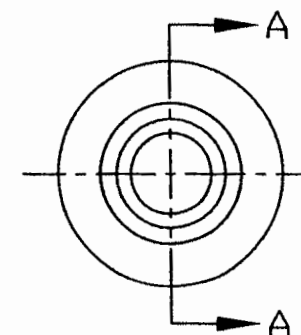
DRAWN	JMD/RLT
ME/CHECKER	SC
ENGINEER	EZ
SCALE	6:1

TITLE	GAMMA METRICS		
SERIES TITLE	HIGH INTENSITY GAMMA AND NEUTRON SOURCES		
DRAWING NO.	3023	REV	B
SHEET	3 OF 7		





SECTION A-A


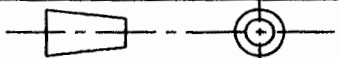


3. IDENTIFY PART NUMBER
2. ALL CAPSULES AND PLUGS ARE MADE FROM 304 OR 304L STAINLESS STEEL AND THE ACTIVE ELEMENT IS CERAMIC
1. ASSEMBLE COMPLETE PER ENGINEERING DRAWING AND FUSION WELD AS REQUIRED

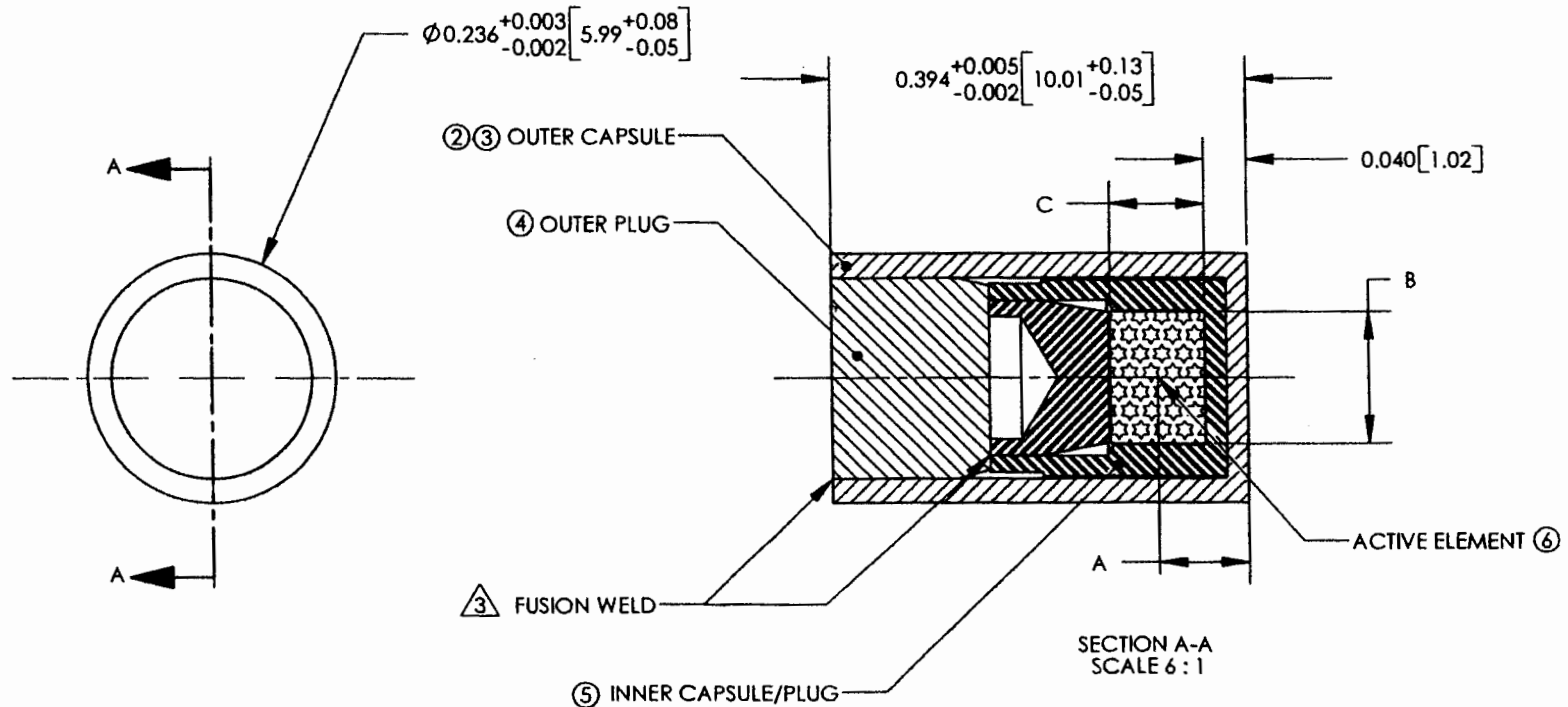
SECTION A-A

NOTES: UNLESS OTHERWISE SPECIFIED

P/N A3000-1 ASSEMBLY, MODEL 225 POINT SOURCE



 <b>Eckert &amp; Ziegler</b> Isotope Products Valencia, California 91355	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DESIGN EZ/DI	DRAWING TITLE MODEL 225 POINT SOURCE			
	FRAC- TION ±1/64	TOLERANCES ON DECIMAL X .1 XX .01 XXX .002			SCALE NONE	SERIES TITLE INDUSTRIAL SOURCES, HIGH INTENSITY GAMMA AND NEUTRON		
THIS DRAWING IS THE PROPERTY OF ISOTOPE PRODUCTS LABORATORIES AND MAY NOT BE USED, REPRODUCED, PUBLISHED OR DISCLOSED TO OTHERS WITHOUT EXPRESS AUTHORIZATION BY ISOTOPE PRODUCTS LABORATORIES.	THIRD ANGLE PROJECTION 			SIZE A	CAGE CODE 32993	REVISION K	DRAWING NUMBER 3000	SHEET 4 OF 10

	A3024-1	A3024-3
A (CENTER OF ACTIVITY)	0.085[2.16]	0.085[2.16]
B (ACTIVE DIAMETER)	0.125[3.18]	0.125[3.18]
C (ACTIVE LENGTH)	0.090[2.29]	0.090[2.29]
ENGRAVING	STANDARD	CUSTOMER SPECIFIC

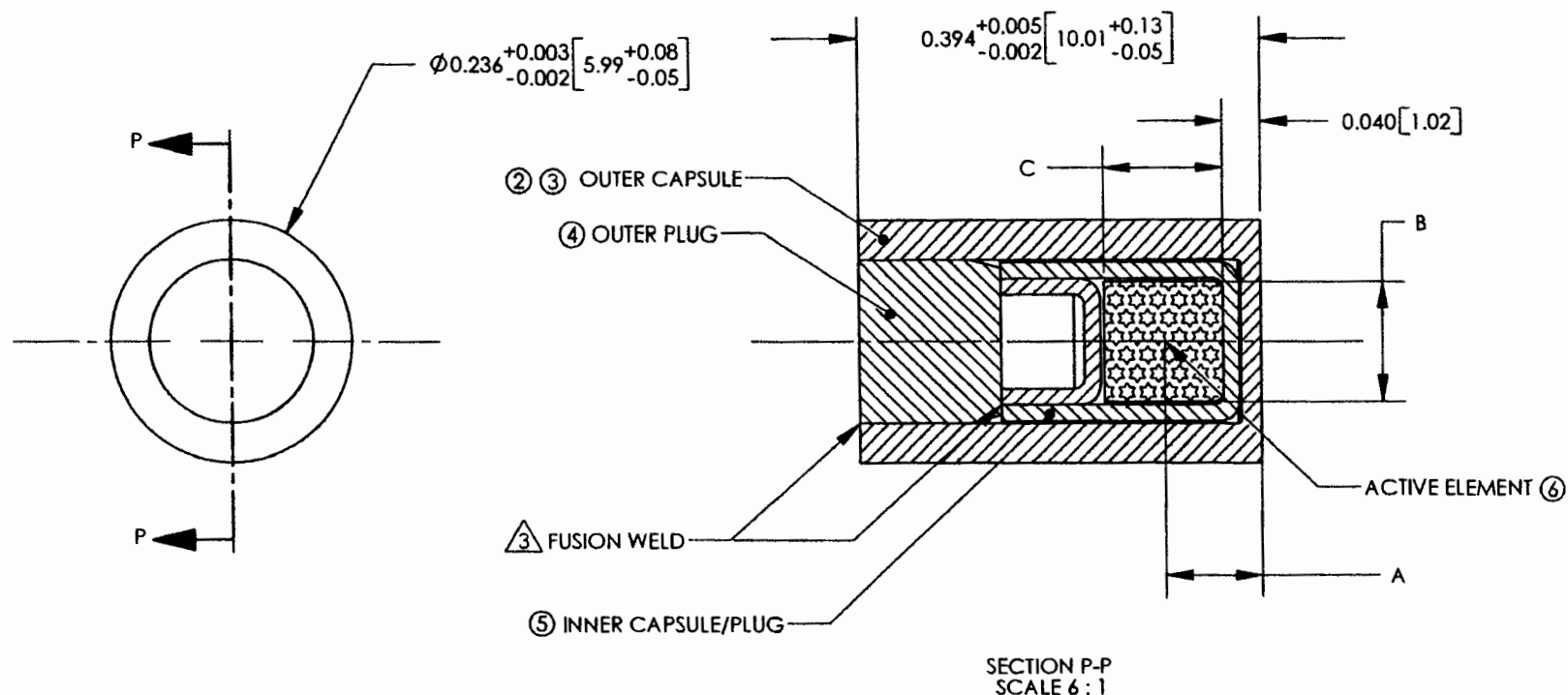


1. FUSION WELD AS REQUIRED 0.015 MINIMUM WELD DEPTH  
 2. PACKAGE AND IDENTIFY PART NUMBER THEREON  
 1. ASSEMBLE PER ENGINEERING DRAWING.  
 NOTES: UNLESS OTHERWISE SPECIFIED

A3024-1/ A3024-3 ASSEMBLY

<div></div> <div>Eckert &amp; Ziegler</div> <div>Isotope Products</div> <div>VALENCIA, CALIFORNIA 91355</div>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCH-SIZES. METRIC UNITS [mm] ARE IN MILLIMETERS.		DRAWN RLT		TITLE HEG SOURCE, 1cm LENGTH			
	TOLERANCES (UNLESS OTHERWISE SPECIFIED) X.XXX ± .002 INCH ANGULAR TOLERANCE OF 0°±30° X.XX ± .005 INCH FRACTIONAL DIMENSIONS ± 1/32" X.X ± .03 INCH REFERENCE DIMENSIONS (I) N/A X. ± .1 INCH SURFACE ROUGHNESS μINCH MAX ALL DIMENSIONS ARE FINISHED DIMENSIONS		ME/CHECKER LF		SERIES TITLE INDUSTRIAL SOURCES, HIGH INTENSITY GAMMA AND NEUTRON			
			ENGINEER RMD					
	THIRD ANGLE PROJECTION 		SCALE NONE	SIZE A	CAGE CODE 32993	DRAWING NO. 3024		REV F
THIS DRAWING IS THE PROPERTY OF ECKERT&ZIEGLER ISOTOPE PRODUCTS AND MAY NOT BE USED, REPRODUCED, PUBLISHED OR DISCLOSED TO OTHERS WITHOUT EXPRESS AUTHORIZATION BY ECKERT&ZIEGLER ISOTOPE PRODUCTS.								

	A3024-2	A3024-4
A(CENTER OF ACTIVITY)	0.099[2.51]	0.099[2.51]
B(ACTIVE DIAMETER)	0.118[3.00]	0.118[3.00]
C(ACTIVE LENGTH)	0.118[3.00]	0.118[3.00]
ENGRAVING	STANDARD	CUSTOMER SPECIFIC



3. FUSION WELD AS REQUIRED 0.015 MINIMUM WELD DEPTH  
 2. PACKAGE AND IDENTIFY PART NUMBER THEREON  
 1. ASSEMBLE PER ENGINEERING DRAWING.  
 NOTES: UNLESS OTHERWISE SPECIFIED

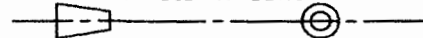
A3024-2/A3024-4 ASSEMBLY

**Eckert & Ziegler**  
**Isotope Products**  
 VALENCIA, CALIFORNIA 91355

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCH-SIZES. METRIC UNITS [mm] ARE IN MILLIMETERS.

TOLERANCES (UNLESS OTHERWISE SPECIFIED)  
 X.XXX ± .002 INCH ANGULAR TOLERANCE OF 0°±30°  
 X.XX ± .005 INCH FRACTIONAL DIMENSIONS ± 1/32"  
 X.X ± .03 INCH REFERENCE DIMENSIONS (I) N/A  
 X. ± .1 INCH SURFACE ROUGHNESS μINCH MAX  
 ALL DIMENSIONS ARE FINISHED DIMENSIONS

THIRD ANGLE PROJECTION



DRAWN  
RLT

ME/CHECKER  
LF

ENGINEER  
RMD

SCALE  
NONE

SIZE  
A

TITLE

HEG SOURCE, 1cm LENGTH

SERIES TITLE

INDUSTRIAL SOURCES,  
HIGH INTENSITY GAMMA AND NEUTRON

CAGE CODE  
32993

DRAWING NO.  
3024

REV  
F

SHEET  
5 OF 3

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**ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE**

<b>Name and Address of Applicant and/or Licensee</b>  Premier Energy Services, LLC ATTN: Sean E. O'Hara, General Manager/RSO P. O. Box 67 Clarksburg, WB 26302	<b>Date</b>
	October 13, 2016
	<b>License Number(s)</b>
	47-35262-01
	<b>Mail Control Number(s)</b>
	592122
	<b>Licensing and/or Technical Reviewer or Branch</b>
	Commercial, Industrial, R&D, & Academic Branch (Branch 2)

This is to acknowledge receipt of your: ☐ Letter and/or ☒ Application Dated: October 7, 2016

The initial processing, which included an administrative review, has been performed.  
☒ Amendment ☐ Termination ☐ New License ☐ Renewal

☒ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>  
Follow the instructions on the form for submission.

☐ The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

**Region I**  
**U. S. Nuclear Regulatory Commission**  
**Division of Nuclear Materials Safety**  
**2100 Renaissance Boulevard, Suite 100**  
**King of Prussia, PA 19406-2713**  
**(610) 337-5260, (610) 337-5313,**  
**(610) 337-5398, or (610) 337-5239**