	NRC LICENSE NO.: CBP11b-3		
United States of Amer Nuclear Regulatory Commission Washington, D.C. 20555			
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Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Re Commission issued pursuant thereto, and in reliance on statements and repri- to the licensee authorizing the import/export of the materials and/or production herein. This license is only valid if the licensee maintains the requisite NRC of	esentations heretofore made by the licensee, a license is hereby iss n or utilization facilities listed below, subject to the terms and conditi		
LICENSEE	ULTIMATE FOREIGN CONSIGNEE(S)		
QSA Global Inc. ATTN: Cathleen Roughan 40 North Avenue Burlington, Massachusetts 01803	See exemption information below.		
APPLICANT'S REFERENCE NUMBER: Application dtd 03/09/07			
INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) AND/OR IN THE U.S.	OTHER PARTY(IES) TO IMPORT/EXPORT		
NONE	NONE		
	an, Bahamas, Bahrain, Belize, Chile, Colombia, Costa torial Guinea, Guatemala, Honduras, India, Israel, an Pakistan Panama Peru Oatar Saudi Arabia		
Jamaica, Jordan, Malaysia, Mexico, Morocco, Nicaragua, Oma Suriname, Taiwan, Trinidad, Tunisia, Turkmenistan, United Ar DESCRIPTION OF 10 CFR PART 110, APPENDIX P, BYPRODI (NOTE: SEE PAGE 2 FOR DEFINITIONS O	torial Guinea, Guatemala, Honduras, India, Israel, an, Pakistan, Panama, Peru, Qatar, Saudi Arabia, ab Emirates, Uruguay, and Venezuela. UCT MATERIALS TO BE IMPORTED AND/OR EXPORTED		
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Jamaica, Jordan, Malaysia, Mexico, Morocco, Nicaragua, Oma Suriname, Taiwan, Trinidad, Tunisia, Turkmenistan, United Ar DESCRIPTION OF 10 CFR PART 110, APPENDIX P, BYPRODI (NOTE: SEE PAGE 2 FOR DEFINITIONS of Import and export of Category 2 quantities of Americium contained in sealed sources used in industrial radiograp countries listed under 'Country(ies) of Ultimate Destinati Licensee is responsible for compliance with all applicabl requirements, including all terms and conditions of dome submitting information required by 10 CFR §110.32(d) a §110.32(h) with its application for named and unnamed until 24 hours prior to shipment. This license is amended to add Algeria, Jordan, Morocco Destination, and change the expiration date from October	torial Guinea, Guatemala, Honduras, India, Israel, an, Pakistan, Panama, Peru, Qatar, Saudi Arabia, ab Emirates, Uruguay, and Venezuela. UCT MATERIALS TO BE IMPORTED AND/OR EXPORTED DF CATEGORY 1 AND CATEGORY 2) h-241/Be, Cobalt-60, Iridium-192, and Selenium-75 hy and oil well logging, are authorized from and to on.' e import, export, and other domestic regulatory estic materials license(s). Licensee is exempt from and "pertinent documentation" required by 10 CFR recipients (ultimate consignees) in foreign countrie o, and Tunisia, as Country(ies) of Ultimate er 31, 2007 to April 30, 2008. HIS LICENSE IS INVALID UNLESS SIGNED BELOV BY AUTHORIZED NRC REPRESENTATIVE MAY MAY MAY NAME AND TITLE: Margaret M. Doane, Deputy Directo Office of International Programs		

Table 1: Appendix P to Part 110-Category 1 and C	Category 2 Radioactive Material Threshold Limits

Radioactive Material	Category 1		Category 2	
	Terabequerels	Curies	Terabequerels	Curies
	(TBq)	(Ci) ¹	(TBq)	(Ci)1
Americium-241	60	1,600	0.6	16
Americium-241/Be	60	1,600	0.6	16
Californium-252	20	540	0.2	5.4
Curium-244	50	1,400	0.5	14
Cobalt-60	30	810	0.3	8.1
Cesium-137	100	2,700	1.0	27
Gadolinium-153	1,000	27,000	10.0	270
Iridium-192	80	2,200	0.8	22
Plutonium-238 ²	60	1,600	0.6	16
Plutonium-239/Be2	60	1,600	0.6	16
Promethium-147	40,000	1,100,000	400	11,000
Selenium-75	200	5,400	2.0	54
Strontium-90 (Y-90)	1,000	27,000	10.0	270
Thulium-170	20,000	540,000	200	5,400
Ytterbium-169	300	8,100	3.0	81

Calculation of Shipments Containing Multiple Sources or Radionuclides:

The "sum of fractions" methodology for evaluating combinations of radionuclides being transported, is to be used when import or export shipments contain multiple sources or multiple radionuclides. The threshold limit values used in a sum of the fractions calculation must be the metric values (i.e., TBq).

If multiple sources and/or multiple radionuclides are present in an import or export shipment, the sum of the fractions of the activity of each radionuclides must be determined to verify the shipment is less than the Category 1 or 2 limits of Table 1, as appropriate. If the calculated sum of the fractions ratio, using the following equation, is greater than or equal to 1.0, then the import or export shipment exceeds the threshold limits of Table 1 and the applicable security provisions of this part apply.

II. Use the equation below to calculate the sum of the fractions ratio by inserting the actual activity of the applicable radionuclides or of the individual sources (of the same radionuclides) in the numerator of the equation and the corresponding threshold activity limit from the Table 1 in the denominator of the equation. Ensure the numerator and denominator values are in the same units and all calculations must be performed using the TBq (i.e., metric) values of Table 1.

- R1 = activity for radionuclides or source number 1.
- R2 = activity for radionuclides or source number 2
- RN = activity for radionuclides or source number n
- AR1 = activity limit for radionuclides or source number 1
- AR2 = activity limit for radionuclides or source number 2
- ARN = activity limit for radionuclides or source number n

$$\sum_{1}^{n} \left[\frac{\mathbf{R}_{1}}{\mathbf{A}\mathbf{R}_{1}} + \frac{\mathbf{R}_{2}}{\mathbf{A}\mathbf{R}_{2}} + \frac{\mathbf{R}_{n}}{\mathbf{A}\mathbf{R}_{n}} \right] \geq 1$$

NOTIFICATIONS: The notifications required by 10 CFR 110.50(b)(4) are to be emailed to hoo1@nrc.gov (preferred method) or faxed to 301-816-5151. In the subject line of the email or on the fax cover page include: "10 CFR 110.50(b)(4) Notification." To contact someone in the Operations Center, use the same e-mail address or call 301-816-5100. The contact information is current at the time of license issuance. Difficulties notifying the U.S. Nuclear Regulatory Commission must be promptly reported to the Office of International Programs' Import/Export licensing staff.

¹ The values to be used to determine whether a license is required are given in TBq. Curie (Ci) values are provided for practical usefulness only and are rounded after conversion.

² The limits for Pu-238 and Pu-239/Be in this table apply for imports to the U.S. The limits for exports of Pu-238 and Pu-239/Be can be found in § 110.21.