

EXPORT AND IMPORT LICENSE

NRC FORM 250P



United States of America
 Nuclear Regulatory Commission
 Washington, D.C. 20555

NRC LICENSE NO.: PCB129.00

LICENSE EXPIRES : December 31, 2011

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Pursuant to the Atomic Energy Act of 1954, as amended, and the regulations issued by the Nuclear Regulatory Commission (NRC) pursuant thereto, and in reliance on statements and representations heretofore made by the applicant/licensee, this license is hereby issued authorizing the licensee to import and/or export the byproduct materials listed below, subject to the terms and conditions herein. This license is only valid if the licensee maintains the requisite NRC or Agreement State domestic licenses.

LICENSEE	ULTIMATE FOREIGN CONSIGNEE(S)
Oceaneering International, Inc. Inspection Division Attn: David Boudreaux 227 Clendenning Road Houma, LA 70363 APPLICANT'S REFERENCE: Application dated August 10, 2009	Marine Production Systems Do Brasil Ltda. Praca Alicides Pereira, 1-Parte Iha Da Conceicao – Niteroi Rio De Janeiro, Cep 24050-350 Brazil

INTERMEDIATE FOREIGN AND/OR DOMESTIC CONSIGNEE(S)	OTHER PARTY(IES) TO EXPORT/IMPORT
NONE	SPEC 113 Teal Street St. Rose, LA 70087 QSA Global, Inc. 40 North Avenue Burlington, MA 01803 (Suppliers/Manufacturers/Shippers)

COUNTRY(IES) OF ULTIMATE DESTINATION: Brazil and the United States

**CONDITIONS, NOTES, AND DESCRIPTIONS OF 10 CFR PART 110, APPENDIX P,
 BYPRODUCT MATERIALS TO BE EXPORTED AND/OR IMPORTED**
 (NOTE: SEE PAGE 2 FOR DEFINITIONS OF CATEGORY 1 AND CATEGORY 2)

Export and import of Category 2 quantities of Ir-192 and Se-75, contained in sealed sources for use in industrial radiography to and from Brazil, are authorized.

Licensee is responsible for compliance with all applicable import, export, and other domestic regulatory requirements, including all terms and conditions of domestic materials licenses. Licensee, if not already submitted with your application, must submit information required by 10 CFR § 110.32(d) and pertinent documentation required by 10 CFR § 110.32(h) at least **24 hours prior to shipment**. See Page 2 for Mandatory Pre-shipment Notifications.

License expiration date is based upon applicant's request.

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Act, now or hereafter in effect and to all valid rules and regulations of NRC.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW
 BY AUTHORIZED NRC REPRESENTATIVE

NAME AND TITLE:

Stephen Dembek

Stephen Dembek, Acting Director
 Office of International Programs

DATE OF ISSUANCE:

September 17, 2009

MANDATORY NOTIFICATIONS: Notifications required by 10 CFR 110.50(b)(4) are to be emailed to hoo.hoc@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. Difficulties notifying the U.S. Nuclear Regulatory Commission must be promptly reported to the Office of International Programs' import/export licensing staff at 301-415-3684 or 415-3329.

Use the following email address for submission of Prior Notification to Brazilian regulator: mhelena@cnen.gov.br

Ms. Maria Helena Marechal
Comissao Nacional de Energia Nuclear (CNEN)
Diretoria de Radioprotecao e Seguranca Nuclear,
Coordenacao-General de Licenciamento e Controle
Coordenacao de Instalacoes Radioactivas
Rua General Severiano 90 Botafogo
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Brazil
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Table 1: Appendix P to Part 110—Category 1 and Category 2 Radioactive Material Threshold Limits

Radioactive Material	Category 1		Category 2	
	Terabequerels (TBq)	Curies (Ci) ¹	Terabequerels (TBq)	Curies (Ci) ¹
Iridium-192	80	2,200	0.8	22
Selenium-75	200	5,400	2.0	54

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).

I. 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

$$\sum_{1}^{n} \left[\frac{R_1}{AR_1} + \frac{R_2}{AR_2} + \frac{R_n}{AR_n} \right] \geq 1$$

¹The 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.