NRC FORM 250P
(12/10)

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

NRC LICENSE NO.: PXB16.07

LICENSE EXPIRES: October 31, 2021

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 export the byproduct materials listed below, subject to the terms and conditions herein. This license is only valid if the licensee or 'Other Party(ies) to Export' maintain the requisite NRC or Agreement State domestic license(s).

LICENSEE	ULTIMATE FOREIGN CONSIGNEE(S)
REVISS Services, Inc. Attn: John L. Schrader One Hawthorn Place 175 E. Hawthorn Parkway, Suite 142 Vernon Hills, IL 60061 **APPLICANT'S REFERENCE:** Application Dated 08/08/2011	Listed on Page 3 (Receipt of Sealed Sources)
INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)	**OTHER PARTY(IES) TO EXPORT**
None	Listed on Pages 3 - 5 (Suppliers)

COUNTRY(IES) OF ULTIMATE DESTINATION: Argentina, United Kingdom

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

Export to the United Kingdom, of Category 1 and Category 2 quantities of Co-60 and Cs-137, contained in sealed sources for testing, reuse, recycling, or disposal, is authorized. **For Category 1 exports, see conditions on Page 3.**

Export to Argentina, of Category 1 and Category 2 quantities of Co-60, contained in sealed sources for testing, reuse, manufacturing, recycling, or disposal, is authorized. **For Category 1 exports, see conditions on Page 3.**

Licensee is responsible for compliance with all applicable 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.

This license replaces PCB16.06-R and amends its authority by: 1) extending the expiration date from April 30, 2012 until to October 31, 2021; 2) reissuing as a specific export only license; 3) removing the 'Intermediate Consignee(s) in Foreign Country(ies);' 4) revising the address of the 'Ultimate Foreign Consignee(s)' in the United Kingdom; 5) adding an ultimate foreign consignee in Argentina; 6) revising the conditions; and 7) revising and adding to the list of 'Other Party(ies) To Export.'

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 Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE

NAME AND TITLE: Scott W. Moore, Deputy Director
Office of International Programs

DATE OF ISSUANCE: October 14, 2011

MANDATORY PRE-SHIPMENT NOTIFICATIONS PER 10 CFR PART 110.50(c)

The following Prior Shipment Notifications must be made to both the NRC and, in case of exports, the government of the importing country in advance of each shipment:

Prior Shipment Notifications to the NRC are to be emailed to hoo.hoc@nrc.gov (preferred method) or faxed to the NRC at 301-816-5151. In the subject line of the email or on the fax cover page include: "10 CFR 110.50(c) Notification." For technical assistance, use the same e-mail address or call 301-816-5100.

Prior Shipment Notifications to the government of the importing country must be emailed or faxed to the appropriate foreign government authorities. To locate the point-of-contact for international Prior Shipment Notifications see: http://www-ns.iaea.org/downloads/rw/imp-export/import-export-contact-points.pdf. In the subject line of the email or on the fax cover page include: "NOTIFICATION TO THE IMPORTING STATE PRIOR TO SHIPMENT OF CATEGORY 1 OR 2 RADIOACTIVE SOURCES." For technical assistance or for countries not listed, contact the Office of International Programs' export/import staff at 301-415-2344.

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]
Americium-241 (Am-241)	60	1,600	0.6	16
Americium-241/Beryllium (Am-241/Be)	60	1,600	0.6	16
Californium-252 (Cf-252)	20	540	0.2	5.4
Curium-244 (Cm-244)	50	1,400	0.5	14
Cobalt-60 (Co-60)	30	810	0.3	8.1
Cesium-137 (Cs-137)	100	2,700	1.0	27
Gadolinium-153 (Gd-153)	1,000	27,000	10.0	270
Iridium-192 (Ir-192)	80	2,200	0.8	22
Plutonium-238[2] (Pu-238)	60	1,600	0.6	16
Plutonium-239/Beryllium[2] (Pu-239/Be)	60	1,600	0.6	16
Promethium-147 (Pm-147)	40,000	1,100,000	400	11,000
Radium-226[3] (Ra-226)	40	1,100	0.4	11
Selenium-75 (Se-75)	200	5,400	2.0	54
Strontium-90 (Y-90)	1,000	27,000	10.0	270
Thulium-170 (Tm-170)	20,000	540,000	200	5,400
Ytterbium-169 (Yb-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).

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

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

[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 exports of Pu-238 and Pu-239/Be can be found in § 110.21.

[3] Discrete sources of Radium-226.

ULTIMATE FOREIGN CONSIGNEE(S) OF RECYCLED AND/OR SEALED SOURCES

For export of 10 CFR Part 110 Appendix P, Category 1 and 2 quantities of Co-60 and Cs-137

REVISS Services (UK) Ltd
Building 179
Milton Park
Abingdon, Oxfordshire
United Kingdom OX14 4SE

For export of 10 CFR Part 110 Appendix P, Category 2 quantities of Co-60

Dioxitek S.A.
Centro Atomico Ezeiza
Presbitero Juan Gonzalez Y Aragon No. 15
Partido De Ezeiza, Prov. De Buenos Aires
Argentina

CONDITIONS, NOTES, AND DESCRIPTIONS OF 10 CFR PART 110, APPENDIX P, BYPRODUCT MATERIALS TO BE EXPORTED

Reviss Services, Inc. is prohibited from shipping 10 CFR §110 Appendix P Category 1 quantities of Co-60 and Ce-137 to the United Kingdom and, Category 1 quantities of Co-60 to Argentina, for which government-to-government consent has not yet been requested and received until:

[1] Reviss Services, Inc. has submitted the U.S. Nuclear Regulatory Commission (NRC) a completed NRC Form 7 and submitted the applicable fee for each request to obtain consent from the importing country's regulatory authority, on a case-by-case basis for each additional consignee;

[2] NRC has received and considered government-to-government consent pursuant to 10 CFR §110.42(e)(3); and,

[3] NRC has informed Reviss Services, Inc., in writing, that it is authorized to ship the materials to the ultimate consignee(s) specified.

OTHER PARTY(IES) TO EXPORT (SUPPLIERS)

The following U.S. licensees are authorized to export in accordance with this license:

1. Bausch and Lomb
   8507 Pelham Road
   Greenville, SC 29615

2. Becton Dickson & Co.
   BD Diagnostics, Preanalyical Systems
   150 South 1st Street
   Broken Bow, NE 68822

3. Becton Dickson & Co.
   BD Medical Surgical Systems
   1852 10th Avenue
   Columbus, NE 68601

4. Becton Dickson & Co.
   BD Medical-Diabetes Care
   1329 W. Highway 6
   Holdrege, NE 68949-0860

5. Becton Dickson & Co.
   BD Biosciences, Discovery Labware
   1 Becton Circle
   Durham, NC 27712

6. Becton Dickson & Co.
   1575 Airport Road
   Sumter, SC 29153

OTHER PARTY(IES) TO EXPORT (SUPPLIERS) (Continued)

7. Cardinal Healthcare
One Butterfield Trail
El Paso, TX 79906-4901

8. Carolina Power and Light
H.B. Robinson Nuclear Plant
3581 W. Entrance Road
Hartsville, SC 29550

9. Covidien
2010 E. International Speedway Blvd.
Deland, FL 32724

10. Covidien
400 Maple Street
Commerce, TX 75428 11.

11. Covidien
1222 Sherwood Road
Norfolk, NE 68701

12. Duke Energy Corporation
McGuire Island Buildings
7403, 7405, 7408
Huntersville, NC 28078-7929

13. Dominion Nuclear Connecticut Inc.
Millstone Power Station
Rope Ferry Road
Niantic, CT 06357

14. GE Hitachi Nuclear Energy, LLC
Vallecitos Nuclear Center
6705 Vallecitos Road
Sunol, CA 94586

15. J.L. Shepherd and Associates
1010 Arroyo Avenue
San Fernando, CA 91340

16. North Carolina Eastern Municipal Power Agency
Shearon Harris Nuclear Plant
PO Box 165
New Hill, NC 27562

17. Omaha Public Power District
Fort Calhoun Station
9610 Power Lane
Blair, NE 68008

18. Pa'ina Hawaii, LLC
192 Palekona Street
Honolulu, HI 96819

19. Pa'ina Hawaii, LLC
92-1780V Kunia Road
Kunia, HI 96759

20. PGN Brunswick Nuclear Plant
N.C Highway 87
2-1/2 miles North
Southport, NC 28461

21. PPL Susquehanna LLC
Susquehanna Steam Electric Station
769 Salem Boulevard
Berwick, PA 18603

22. QSA Global
40 North Avenue
Burlington, MA 01803

23. Sterigenics Corporation
1700 North Airport Road
West Memphis, AR 72301

24. Sterigenics Corporation
344 Bonnie Circle
Corona, CA 92880

25. Sterigenics Corporation
5900 Obata Way
Gilroy, CA 95020

26. Sterigenics Corporation
2311 Lincoln Avenue
Hayward, CA 94545

27. Sterigenics Corporation
1401 Morgan Circle
Tustin, CA 92680

OTHER PARTY(IES) TO EXPORT (SUPPLIERS) (Continued)

28. Sterigenics Corporation
1003 Lakeside Drive
Gurnee, IL 60031

29. Sterigenics Corporation
711 East Cooper Court
Schaumburg, IL 60173

30. Sterigenics Corporation
10811 Withers Cove Park Drive
Charlotte, NC 28273

31. Sterigenics Corporation
1148 Porter Avenue
Haw River, NC 27258

32. Sterigenics Corporation
108 Lake Denmark Road
Rockaway, NJ 07866

33. Sterigenics Corporation
75 Tilbury Road
Salem, NJ 08079

34. Sterigenics Corporation
305 Enterprise Drive
Westerville, OH 43081

35. Sterigenics Corporation
3001 and 3125 Wichita Court
Fort Worth, TX 76140

36. Steris Isomedix Services
1000 S. Sarah Place
Ontario, CA 91764

37. Steris Isomedix Services
2500 Commerce Drive
Libertyville, IL 60048

38. Steris Isomedix Services
1880 Industrial Drive
Libertyville, IL 60048

39. Steris Isomedix Services
435 Whitney Street
Northborough, MA 01532

40. Steris Isomedix Services
9 Apollo Drive
Whippany, NJ 07981

41. Steris Isomedix Services
23 Elizabeth Drive
Chester, NY 10918

42. Steris Isomedix Services
4405 Marketing Place
Groveport, OH 43125

43. Steris Isomedix Services
State Road 690, KM 1.7
Barrio Sabana Hoyos
Vega Alta, PR 00692

44. Steris Isomedix Services
2072 Southport Road
Spartanburg, SC 29308

45. University of Maryland
The Gamma Irradiation Laboratory
Room 1319A, Building 090
Chemical Engineering Building
College Park Campus
College Park, MD 20742

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