

<b>NRC FORM 7</b> (8-2010) 10 CFR 110		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		<b>APPROVED BY OMB: NO. 3150-0027</b> Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submission is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to <a href="mailto:infocollects.resource@nrc.gov">infocollects.resource@nrc.gov</a> , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), 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.		<b>EXPIRES: 08/31/2012</b>	
<b>APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, OR RENEWAL</b> <i>(See Instructions on Pages 4 and 5)</i>							
<b>PART A. FOR NRC USE ONLY</b>		<input checked="" type="checkbox"/> <b>PUBLIC</b> OR <input type="checkbox"/> <b>NON-PUBLIC</b>		<b>DATE RECEIVED</b> <div style="text-align: right; font-size: 1.2em;"> <b>AUG 05 2011</b>  <i>Redd JC</i> </div>			
<b>LICENSE NUMBER</b> <div style="font-size: 1.5em; font-family: monospace;">IW030</div>		<b>DOCKET NUMBER</b> <div style="font-size: 1.5em; font-family: monospace;">11005957</div>		<b>ADAMS ACCESSION NUMBER</b>			
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)							
<b>1. NAME AND ADDRESS OF APPLICANT/LICENSEE</b> GE Hitachi Nuclear Energy, LLC Vallecitos Nuclear Center Attention: Donald R. Krause 6705 Vallecitos Road Sunol, CA 94586				<b>1a. NAME OF APPLICANT'S CONTACT</b> Brenda Conner/Donald Krause		<b>1b. APPLICANT'S REFERENCE NUMBER</b>	
				<b>1c. PHONE NUMBER</b> (910) 819-5641		<b>1d. FAX NUMBER</b> (910) 362-5641	
				<b>1e. E-MAIL ADDRESS</b> <div style="display: flex; justify-content: space-between;"> <span>brenda.conner@ge.com</span> <span>Donald.Krause@ge.com</span> </div>			
<b>2. TYPE OF ACTION REQUESTED (Check One)</b> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <input type="checkbox"/> <b>EXPORT</b>          (Parts B, C, E)       </div> <div style="text-align: center;"> <input checked="" type="checkbox"/> <b>IMPORT</b>          (Parts B, D, E)       </div> <div style="text-align: center;"> <input type="checkbox"/> <b>AMENDMENT/RENEWAL</b>          Existing License Number: _____       </div> </div>							
<b>3. CONTRACT NUMBER(S)</b>		<b>4. FIRST SHIPMENT DATE</b> 09/01/2011		<b>5. LAST SHIPMENT DATE</b> 12/01/2012		<b>6. PROPOSED EXPIRATION DATE</b> 03/01/2013	
<b>PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)							
<b>7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT</b>				<b>8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)</b>		<b>9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)</b>	
<b>7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED</b>				<b>8a. INTERMEDIATE USE(S)</b>		<b>9a. ULTIMATE END USE(S)</b>	
<b>10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT</b>				<b>10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)</b>		<b>10b. MAX ENRICHMENT OR WGT %</b>	
						<b>10c. MAX ISOTOPE WGT (KG)</b>	
<b>11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)</b>							

**AUG 05 2011**

NRC FORM 7  
(8-2010)  
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

# APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER <b>IW 030</b>	DOCKET NUMBER <b>11005957</b>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
---------------------------------	----------------------------------	------------------------	---

## **PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS** (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

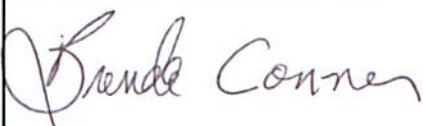
12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT  <b>Chengdu Gaotong Isotope Corporation (China Nuclear Group) B Block Development Building 28, South Section 3, Yihuan Road Chengdu, Sichuan, 610041 PR China Atten: Mr. Huang Nengwa</b>	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)  <b>N/A</b>	14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)  <b>GE Hitachi Nuclear Energy, LLC Vallecitos Nuclear Center Attention: Carlos Martinez 6705 Vallecitos Road Sunol, CA 94586</b>	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)  <b>PXB110.04</b>	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)  	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)  <b>CA 0017-01</b>	
	13b. INTERMEDIATE USE(S)  	14b. ULTIMATE END USE(S)  <b>recycling, forensic testing or storage and disposition</b>	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES  <b>210 Co-60 sealed sources, 7955 TBq (215,000 Ci), as of April 1, 2011</b>  <b>See Page 3 for "volume".</b>	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)  	15b. MAX ENRICHMENT OR WGT %  	15c. MAX ISOTOPE WGT (KG)  

16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

## **PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS**

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---	---

**18. CERTIFICATION:** I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.

18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL  <b>Brenda Conner Shipping / Licensing Support Specialist</b>	18b. SIGNATURE -- AUTHORIZED OFFICIAL  	18c. DATE  <b>08/01/2011</b>
--	---	------------------------------------

**AUG 05 2011**

*Rec'd  
JC*

NRC FORM 7

(8-2010)  
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER <b>IW030</b>	DOCKET NUMBER <b>11005957</b>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
--------------------------------	----------------------------------	------------------------	---

ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

**Description of Sealed Sources for Import:**

Import of 210 Cobalt-60 (Co-60) sources, in Special Form, in one or multiple shipments from China, using IAEA approved Type B Radioactive Materials Transport Packaging(s). Said sources were manufactured by Amersham International Plc (Buckinghamshire, England) between June 1988 and March 1996.

In addition to forensic testing of some of the sources, GEH plans to pursue reuse, recycle and resale opportunities for the Co-60; however, the Co-60 material has undergone several half-lives and thus the feasibility for reuse and resale will not be possible in all cases. Co-60 material not reused or resold will be stored for future disposition at a licensed U.S. disposal facility.

GEH shall take title and risk-of-loss to the Co-60 sources upon release by Customs at the U.S. port of entry. The Co-60 sources shall be delivered, processed and/or stored (until permanent disposal) at GEH's Vallecitos Nuclear Center, Sunol, CA, in accordance with State of California Radioactive Material License No. 0017-01, currently under "timely renewal".

The Co-60 sources were previously used in an industrial environment for gamma ray processing in wet and/or dry irradiation plants. The sources are doubly encapsulated in stainless steel and each source is permanently engraved with a unique serial number. The sources will be accompanied by a report documenting the sources are leak-tight. (The Co-60 sources were originally certified as meeting the requirements of "Special Form".)

**Maximum Quantity of Material and its Chemical and Physical form.****210 Cobalt-60 Seal Sources:****Total Activity:** 7955 TBq (215,000 Ci), as of April 1, 2011**Chemical Form:** Metal Oxide**Physical Form:** Solid**Volume:**

The volume of the shipment from China to the U.S. is anticipated to be one shipment, of a highway route controlled quantity, in one IAEA Type B certified radioactive materials shipping package. The anticipated route of shipment is by sea vessel from the China port of export (to be determined) to the U.S. port of import (currently anticipated to be Tacoma, WA) then overland by truck to the Vallecitos site in Sunol, CA.

AUG 05 2011

Rec'd

JC





**HITACHI**

**GE-Hitachi Nuclear Energy**

**Brenda Conner**

Shipping / Licensing Support

P.O. Box 780  
MC K54  
Wilmington, NC 28402  
USA

T 910 819 5641  
F 910 362 5641  
Brenda.Conner@ge.com

2011-CA-01

August 1, 2011

U.S. Nuclear Regulatory Commission  
Scott Moore  
Deputy Director  
Office of International Programs  
11555 Rockville Pike  
Rockville, Maryland 20852

Subject: Application for Import License/Exemption

Attached please find GEH's import license application/exemption for the import of 210 Co-60 sealed sources from China. Payment of \$9,900 was previously sent to the NRC on February 7, 2011, document reference number 337012517. Also attached is a copy of our CA 0017-01 license and a letter from California Department of Public Health dated November 3, 2009 showing timely renewal.

The Co-60 sources in question were manufactured by Amersham International Plc (Buckinghamshire, England) between June 1988 and March 1996 and operated in 24 irradiator plants located within China. With the assistance of the Chengdu Gaotong Isotope Corporation (CIC), the sources are to be collected and packaged for export to the U.S., care of GE Hitachi Nuclear Energy Americas, LLC, with operations at the Vallecitos Nuclear Center, Sunol, California.

General Electric Company, through acquisition of the source manufacturer, has legal responsibility for the disposal of the above referenced sources. GEH, as a corporate affiliate of the General Electric Company, requests this license or license exemption to enable the General Electric Company to fulfill its contractual obligations.

As previously communicated, GEH plans to pursue the re-sale of the Co-60 material; however, GEH does not presently have contractual commitments for the re-sale of the Co-60. In the absence of a

*IW030*

*Rec'd*

**AUG 05 2011**

*JC*

definitive re-sale path, GEH is also pursuing the disposal of the Co-60 material, as by-product Type B low-level radioactive waste, at Waste Control Specialists LLC ("WCS"), located just east of the Texas-New Mexico boundary. Pending NRC approval for the import the Co-60 sources from China, GEH will negotiate with WCS for the permanent disposal of the Co-60 material in the future.

If you have any questions regarding the attached application or the contents of this transmittal, please give me a call.

Thank you for your assistance.

Sincerely,



Brenda Conner

cc: Bryce MacDonald  
Carlos Martinez  
Louis Quintana  
Mark Varno

Attachments: Import Application  
California License CA 0017-01  
Letter from State of CA showing timely renewal

IW 030

Rec'd  
AUG 05 2011  
JC