

<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>		<b>EXPIRES: 08/31/2012</b>	
<b>APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, OR RENEWAL</b> (See Instructions on Pages 4 and 5)				Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal 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>PART A. FOR NRC USE ONLY</b>		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED <b>AUG 18 2011</b> <i>Rec'd JC</i>			
LICENSE NUMBER <b>XW010/02</b>		DOCKET NUMBER <b>11005620</b>		ADAMS ACCESSION NUMBER			
<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.)							
1. NAME AND ADDRESS OF APPLICANT/LICENSEE <b>EnergySolutions</b> <b>1560 Bear Creek Rd</b> <b>Oak Ridge, TN 37831</b>			1a. NAME OF APPLICANT'S CONTACT Philip Gianutsos		1b. APPLICANT'S REFERENCE NUMBER ---N/A---		
			1c. PHONE NUMBER 865 220-1478		1d. FAX NUMBER 865 220-1668		
			1e. E-MAIL ADDRESS pgianutsos@energysolutions.com				
2. TYPE OF NRC LICENSE REQUESTED (Check One)							
<input type="checkbox"/> EXPORT (Parts B, C, E)		<input type="checkbox"/> IMPORT (Parts B, D, E)		<input checked="" type="checkbox"/> AMENDMENT/RENEWAL XW010			
3. CONTRACT NUMBER(S)		4. FIRST SHIPMENT DATE 10/1/2011		5. LAST SHIPMENT DATE 12/31/2017		6. PROPOSED EXPIRATION DATE 12/31/2017	
<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.)							
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT  No Changes			8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)  No Changes			9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)  No Changes	
7a. LIST FUNCTIONS PERFORMED/SERVICE(S) PROVIDED  No Changes			8a. INTERMEDIATE USE(S)  No Changes			9a. ULTIMATE END USE(S)  No Changes	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT  See Page 3				10a. MAX TOTAL VOLUME/ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)  See Page 3		10b. MAX ENRICHMENT OR WGT %  No Changes	10c. MAX ISOTOPE WGT (KG)  No Changes
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)  No Changes							
						<b>AUG 18 2011</b> <i>Rec'd JC</i>	

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 <i>XW 010/02</i>	DOCKET NUMBER <i>11005620</i>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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## 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  N/A	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)  N/A	14. NAME(S) / ADDRESS(ES) OF ULTIMATE CONSIGNEE(S)  N/A	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)  N/A	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)  N/A	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)  N/A	
	13b. INTERMEDIATE USE(S)  N/A	14b. INTERMEDIATE USE(S)  N/A	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES  N/A	15a. MAX TOTAL VOLUME/ ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)  N/A	15b. MAX ENRICHMENT OR WGT %  N/A	15c. MAX ISOTOPE WGT (KG)  N/A

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

## 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 Philip Gianutsos, CHP Radiation Safety Officer	18b. SIGNATURE - AUTHORIZED OFFICIAL <i>Philip Gianutsos</i>	18c. DATE August 17, 2011

*Rec'd*  
AUG 18 2011  
*JC*

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

LICENSE NUMBER

XW010/02

DOCKET NUMBER

ADAMS ACCESSION NUMBER

 PUBLIC OR  NON-PUBLIC

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

## Item 15 Description of Radioactive Material, Sealed Sources, and Nuclear Facilities

No increase in total mass of 6000 tons of material is being requested.

The addition of two new ports of exit is being requested. The first additional port of exit is at Calais, Maine. The second additional port of exit requested is at Pembina, North Dakota. The expected route of exports is by truck primarily by interstate highway from Bear Creek Road to the ports of exit.

## Item 15a Max Total Volume/Element Wt (KG), OR Total Activity (TBq)

EnergySolutions is requesting a reapportionment and overall reduction of approximately 3.15 TBq (85 Curies) in activity authorized for export. These activity levels match the import application request.

The revised totals by isotope are as follows, to be applied over the full term of the license.

Radionuclide	Current Limit		Proposed maximum		Net Change	
	TBq	(Ci)	TBq	(Ci)	TBq	(Ci)
H-3	14.8	(400)	37.0	(1000)	+22.2	(+600)
C-14	7.40	(200)	5.55	(150)	-1.85	(-50)
Am-241	9.25	(250)	0.555	(15)	-8.70	(-235)
Fe-55	37.0	(1000)	22.2	(600)	-14.8	(-400)

All individual packages and conveyances prepared for export will contain less than a Category 2 quantity of radioactive material, as defined in Appendix P to 10 CFR 110.

Rec'd  
AUG 18 2011  
JC



August 17, 2011

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

XW010/02

REC'D  
AUG 18 2011  
JC

*Subject:* Application for Amendment to Export License XW010

Dear Mr. Moore:

Duratek (a subsidiary of EnergySolutions) requests an amendment to Export License XW010 as follows:

- Add two additional ports of exit at Calais, Maine and Pembina, North Dakota, and
- Reapportion and reduce the total activity authorized for import. The requested changes will reduce the total activity authorization by 3.15 TBq (85 curies).

An increase in the demand for waste processing and recycling services has necessitated this amendment request. As noted in the attached Form 7, individual packages and conveyances will not constitute Category 1 or 2 quantities, as defined in Appendix P to Part 110. This requested amendment matches the requested amendment to our Import License IW017 which is being submitted at the same time.

A check in the amount of \$9900 for the requested amendment is enclosed.

If you have any questions or need additional information, please do not hesitate to call me at 865-220-1478.

Respectfully submitted,

Philip Gianutsos, CHP  
Radiation Safety Officer  
Duratek Services, Inc.

Attachment:  
Form 7 Application for Export or Import License, Amendment, or Renewal