


<b>NRC FORM 7</b> (11-2012) 10 CFR 110		 <b>U. S. NUCLEAR REGULATORY COMMISSION</b>		<b>APPROVED BY OMB: NO. 3150-0027</b>		<b>EXPIRES: (11/30/2015)</b>	
<b>APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S)</b> (See Instructions on Pages 4 and 5)							
<b>PART A. FOR NRC USE ONLY</b>			<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC			DATE RECEIVED <b>JUN 05 2013 JC</b>	
LICENSE NUMBER <b>IW032</b>			DOCKET NUMBER <b>11006100</b>			ADAMS ACCESSION NUMBER <b>ML13157A073</b>	
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS</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 Eastern Technologies, Inc. (ETI) P.O. Box 409 215 Second Ave. Ashford, AL 36312			1a. NAME OF APPLICANT'S CONTACT Mark Fellows		1b. APPLICANT'S REFERENCE NUMBER		
			1c. PHONE NUMBER 3348994351		1d. FAX NUMBER 3348992310		
			1e. E-MAIL ADDRESS mfellows@orex.com				
2. TYPE OF ACTION REQUESTED (Check One)							
<input type="checkbox"/> EXPORT (Parts B, C, E)		<input checked="" type="checkbox"/> IMPORT (Parts B, D, E)		<input type="checkbox"/> AMENDMENT/RENEWAL Current License Number:		<input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number:	
3. CONTRACT NUMBER(S) N/A		4. FIRST SHIPMENT DATE 3rd or 4th quarter, 2013		5. LAST SHIPMENT DATE 12-31-2019		6. PROPOSED EXPIRATION DATE 12-31-2019	
<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 N/A			8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) N/A			9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) N/A	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED N/A			8a. INTERMEDIATE USE(S) N/A			9a. ULTIMATE END USE(S) N/A	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT N/A				10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) N/A		10b. MAX ENRICHMENT OR WGT % N/A	10c. MAX ISOTOPE WGT (KG) N/A
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) N/A							<b>JUN 05 2013 JC</b>

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U. S. NUCLEAR REGULATORY COMMISSION

**APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**


LICENSE NUMBER <i>IW032</i>	DOCKET NUMBER <i>11006100</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  Various nuclear facilities in Canada, including but not limited to: AECL Chalk River Laboratories Bruce Power OPG - Pickering Nuclear OPG - Darlington Nuclear New Brunswick Power - Point Lapreau	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)  N/A	14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)  Eastern Technologies, Inc. (ETI) 215 Second Ave. Ashford, AL 36312 or Babcock Services, Inc. (BSI) Oak Ridge Service Center East Tennessee Technology Park 2323 Zirconium St. Oak Ridge, TN 37830	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)  ETI is applying for an associated Export License concurrent with this Import License to allow for return of residual material resulting from dissolving and decontamination of the used polyvinyl alcohol (PVA) material. All materials will be verified to be in accordance with the facility license prior to shipment.	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)   13b. INTERMEDIATE USE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)  AL Rad Mat Lic No. 947, Amendment 20 Exp. 12-31-2013; TN Rad Mat Lic No. R-47215-A23, Exp. 1-31-2023	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES  The material to be imported is used, radioactively contaminated PVA protective clothing and related PVA products. Radioactive contamination from power plants typically primarily consists of mixed fission products. Used products from laboratories may contain various nuclides. All materials will be verified to be in accordance with the receiving facility license. Material is typically shipped in 40 ft. seavan containers with a volume of about 2000 cu. ft.	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)  Each shipment will typically have a total activity ranging from <math>3.7E-5</math> TBq to <math>3.7E-3</math> TBq (<math><1</math> to 100 mCi).	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, RENEWALS OR CONSENT REQUEST(S)**

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input 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 Mark Fellows Vice-President	18b. SIGNATURE -- AUTHORIZED OFFICIAL 	18c. DATE 6/4/13

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(11-2012)  
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

**APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**

LICENSE NUMBER <i>IW 032</i>	DOCKET NUMBER <i>11006100</i>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Additional clarifying information:

The used PVA protective clothing and other related PVA products are normally shipped in 40 ft. seavan containers. The volume of each shipment is up to 2000 cu. ft. with a mass ranging from about 5000 lbs to 12,000 lbs depending on the amount loaded and the loading efficiency. If similar material was being shipped for land disposal as waste it would be classified as Class A as defined in 10CFR61.55. Shipments will be scheduled periodically based on the operational needs of the customer. Shipments will be via highway with exact routing to be established prior to each shipment.

The material will be received at either the ETI facility or Babcock Services Inc. (BSI) facility will be received and managed in accordance with the applicable facility radioactive material license. These licenses authorize the facilities to collect and treat PVA based products and manage associated decontamination waste. Prior to shipment, the receiving facility will ensure that the isotopes and activity is authorized by the facility license. They facility will also ensure that the total activity present from all sources, including the imported material is maintained within the license limits.

Residual or secondary waste resulting from the decontamination of the imported PVA material will be collected by the ETI or BSI facility and returned to the generator of the material (customer). An application for an export license is being submitted concurrently with this import license application. The export license is for the return of the secondary waste to the Canadian customer. Secondary waste items include decontamination process filters and residual non-soluble components from the dissolvable products.

JUN 05 2013  
*JC*



May 13, 2013

Deputy Director  
Office of International Programs  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

IW032  
XW021

Re: Applications for Licenses for Import and Export of Radioactive Material

Dear Deputy Director:

Pursuant to 10 CFR Part 110, Paragraph 110.31, I am writing to submit applications for Licenses to Import and Export Radioactive Material. My company, Eastern Technologies, Inc. (ETI), desires to provide dissolvable protective clothing and related products made from polyvinyl alcohol (PVA) and associated dissolving and decontamination services for various nuclear facilities in Canada. Following use, the used, radioactively contaminated dissolvable products would be imported from Canada for processing at either our facility in Ashford, Alabama or at a facility in Oak Ridge, Tennessee owned and operated by Babcock Services, Inc. (BSI). The ETI facility is licensed by the State of Alabama and the BSI facility is licensed by the State of Tennessee. ETI has a business agreement with BSI for operating a processing unit at the BSI facility. Both facilities are specifically licensed for dissolving and decontamination of PVA protective clothing and related products. ETI provides similar processing services to over 60 percent of the U.S. commercial nuclear power plant sites at our Ashford, Alabama facility. Additionally, we have previously applied for and have received a specific license to import radioactive material in the form of used PVA protective clothing from the Laguna Verde Nuclear Power Plant in Mexico (reference NRC License No. IW016). We have also applied for and received a license to export the residual material that remains, following processing, back to the generating facility in Mexico (reference NRC License XW016).

Marketing of our products and services to Canadian nuclear facilities requires that we demonstrate the capability to perform these services, so licenses for import and export of radioactive material are necessary to demonstrate ETI's ability to deliver the services requested.

Completed NRC Form 7's for both the Import and Export Applications are enclosed with this letter. The radioactive materials licenses for the ETI facility in Alabama and the BSI facility in Tennessee are also enclosed with this letter.

I have also enclosed a check in the amount of \$19,200.00 (\$9,600.00 for each application) for payment of the license application fees as required by 10CFR

**Eastern Technologies, Inc.**

P.O. Box 409 ♦ 215 Second Avenue ♦ Ashford, AL 36312

334-899-4351 ♦ 800-467-0547

www.OREX.com ♦ www.easterntechnologies.com

Part 110, Paragraph 110.31(b) and the fee schedule in 10CFR Part 170, Paragraph 170.31, Category 15.B.

If you have any questions regarding this application or require additional information, please contact Mr. Douglas Kay, our company technical contact for this project, at 817-559-0506. You may also contact me at 334-899-4351 or at the address listed below.

Sincerely,



Mark Fellows  
Vice-President  
Eastern Technologies, Inc.  
P.O. Box 409  
Ashford, AL 36312

Enclosures

IW032  
XW021