

NRC FORM 7 (8-2007) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027 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 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov , 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.		EXPIRES: 06/30/2009	
APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (See Instructions on Page 5)							
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED APR 21 2010			
LICENSE NUMBER XW017		DOCKET NUMBER 11005826		ADAMS ACCESSION NUMBER			
PART B. TO BE COMPLETED FOR ALL 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.)							
1. NAME AND ADDRESS OF APPLICANT/LICENSEE Duratek Services, Inc Memphis Facility 1790 Dock Street Memphis, TN 38113 Office Number: (901) 947-7832				1a. NAME OF APPLICANT'S CONTACT Phil Gianutsos 1c. PHONE NUMBER 865-220-1478 1e. E-MAIL ADDRESS pgianutsos@energysolutions.com		1b. APPLICANT'S REFERENCE NUMBER 1d. FAX NUMBER 865-220-5850	
2. TYPE OF NRC LICENSE REQUESTED (Check One) <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> EXPORT (Parts B, C, E) </div> <div> <input type="checkbox"/> NOTIFICATION OF EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL (PART C,E) </div> <div> <input type="checkbox"/> IMPORT (Parts B, D, E) </div> <div> <input type="checkbox"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) </div> <div> <input type="checkbox"/> AMENDMENT/RENEWAL </div> </div>							
3. CONTRACT NUMBER(S) Not applicable		4. FIRST SHIPMENT DATE May 3, 2010		5. LAST SHIPMENT DATE Prior to expiration date		6. PROPOSED EXPIRATION DATE December 31, 2010	
PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED 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.)							
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT Duratek Services, Inc c/o Flowserve Corporation Memphis Facility 1790 Dock Street Memphis, TN 38113 Office Number: (901) 233-1894				8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) <div style="text-align: center;">----- none -----</div>		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Ontario Power Generation Pickering NGS B 1675 Montgomery Park Road Pickering, ON, Canada L1V2R5 Contact: Diane Harvey 905-720-1300 x6627 diana.harvey@opg.com	
7a. LIST FUNCTIONS PERFORMED/SERVICE PROVIDED Pump and impeller refurbishment at the Memphis facility resulted in the generation of a small quantity of radioactively contaminated waste for return.				8a. INTERMEDIATE USE(S) <div style="text-align: center;">-----none-----</div>		9a. ULTIMATE END USE(S) Storage or disposal by the original generator, as required or authorized by their regulator.	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT Approximately 680 pounds (53 cubic feet) of dry activated waste generated from the refurbishment of a Heat Transport Impellor and Cover from Ontario Power Generation, Pickering NGS B, Pickering ON Waste Class A in accordance with 10 CFR 61.55.				10a. MAX TOTAL VOLUME/ ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 308 kg 6.87e-4 TBq		10b. MAX ENRICHMENT OR WGT % N/A	
10c. MAX ISOTOPE WGT (KG) Pu-239 SNM 8.977e-7 grams							
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) N/A							

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(8-2007)
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APPLICATION FOR NRC EXPORT/IMPORT
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER XW017	DOCKET NUMBER 11005826	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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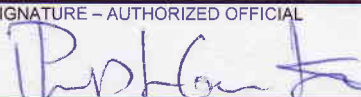
PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS

(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)

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 checked="" 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 Phil Gianutsos, Radiation Safety Officer	18b. SIGNATURE - AUTHORIZED OFFICIAL 
	18c. DATE 4/19/10

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

LICENSE NUMBER <i>XW 017</i>	DOCKET NUMBER <i>11005826</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)

Block 10: The isotopic breakdown of Appendix L isotopes is as follows:

Nuclide	Activity (TBq)	Activity (Ci)
Pu-239	2.06e-6	5.58e-5
Co-60	4.46e-4	1.21e-2
Zr-95	5.78e-5	1.56e-3
Mn-54	1.99e-5	5.38e-4
Ru-106	3.77e-5	1.02e-3
Ce-144	3.10e-5	8.37e-4
Ce-141	2.61e-5	7.06e-4
Ru-103	2.68e-5	7.25e-4
Fe-59	7.56e-6	2.04e-4
Cr-51	<u>3.15e-5</u>	<u>8.52e-4</u>
TOTALS	6.87e-4	1.86e-2

The Appendix P isotopes are as follows:

Co-60 4.46e-4 TBq

Sum of the fractions for Co60 1.487e-3 TBq

Route of Transport:

The expected route is by truck primarily interstate highways from Memphis, TN to port of exit at Buffalo, NY.

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XW017
11005826

April 19, 2010

Mr. Scott Moore
Deputy Director - Office of International Programs
U.S. Nuclear Regulatory Commission
Mail Stop 4E21
Washington, DC 20555

Subject: NRC Form 7 Application to Export Radioactive Material

Dear Mr. Moore:

Duratek Services (a subsidiary of EnergySolutions) is submitting this application to export radioactive material from our Memphis, Tennessee facility to Canada.

The purpose of this application is to return the 680 pounds (approximately 53 cubic feet) of Class A radioactive dry activated waste generated during the refurbishment of one radioactive contaminated pump impellor and associated equipment which belongs to Ontario Power Generation's Pickering Station.

The Memphis facility is contracted by FlowServe Corporation to provide licensed support services for equipment refurbishing work performed by FlowServe Corporation. The equipment was imported from Canada under the general import license provisions of 10 CFR 110.27.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Phil Gianutsos".

Phil Gianutsos, CHP
Radiation Safety Officer
EnergySolutions, Inc.

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11005826

Attachment:

- 1) Form 7 notification of export

Cc: John McGowin, ES Memphis RSO

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