

NRC FORM 7 (8-2007) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027		EXPIRES: 06/30/2009	
<b>APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL</b> (See Instructions on Page 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 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.			
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED			
LICENCE NUMBER <b>PXB 108</b>		DOCKET NUMBER		ADAMS ACCESSION NUMBER			
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR NOTIFICATIONS</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		1a. NAME OF APPLICANT'S CONTACT		1b. APPLICANT'S REFERENCE NUMBER			
Halliburton Energy Services 2107 City West Blvd., Bldg 2 Houston, TX 77042		Cindy Dorris		HES2530			
		1c. PHONE NUMBER		1d. FAX NUMBER			
		(713) 839-4566		(713) 839-4564			
		1e. E-MAIL ADDRESS					
		cynthia.dorris@halliburton.com					
2. TYPE OF ACTION REQUESTED (Check One)							
<input checked="" type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> NOTIFICATION OF EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL (PART C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input checked="" type="checkbox"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) <input type="checkbox"/> AMENDMENT/RENEWAL Existing License Number:							
<i>for Telcom w/ Cindy Dorris 6/5/08</i>							
3. CONTRACT NUMBER(S)		4. FIRST SHIPMENT DATE		5. LAST SHIPMENT DATE		6. PROPOSED EXPIRATION DATE	
		01/18/2008		12/31/2015		12/31/2015	
<b>PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED 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		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)			
				<b>Turkish Petroleum Corp (TPAO)/ Turkiye Petrollerri A.O.</b>  <b>See page 3</b>			
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED		8a. INTERMEDIATE USE(S)		9a. ULTIMATE END USE(S)			
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)		10b. MAX ENRICHMENT OR WGT %		10c. MAX ISOTOPE WGT (KG)	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)							

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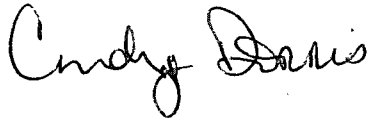
APPLICATION FOR NRC EXPORT/IMPORT  
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER <b>PXB108</b>	DOCKET NUMBER	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	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE CONSIGNEE(S)		
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)		
	13b. INTERMEDIATE USE(S)	14b. ULTIMATE END USE(S)		
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES  <b>See Attachment 1</b>  <b>Category 2 quantities of Am-241 and Am-24/Be that are in the excess of the 0.6 terebequerels threshold</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 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  <b>Cindy Dorris</b> <b>International Trade Compliance</b>	18b. SIGNATURE - AUTHORIZED OFFICIAL  	18c. DATE  <b>03/17/2008</b>

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

LICENSE NUMBER <b>PXB/08</b>	DOCKET NUMBER _____	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)

**For a Specific license to export and sell sources (per Attachment 1) to  
Turkish Petroleum Corp (TPAO)/ Turkiye Paetrollerri A. O.**

**Please see all support documents**

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U.S. NUCLEAR REGULATORY COMMISSION

INSTRUCTIONS FOR PREPARATION OF NRC FORM 7, APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT OR RENEWAL

General Instructions: A completed, signed original NRC Form 7 may be mailed to the Deputy Director, Office of International Programs, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or hand-delivered to the Deputy Director at 11555 Rockville Pike, Rockville, Maryland 20852.

Refer to Title 10 of the Code of Federal Regulations, Part 110, for specific NRC export/import licensing requirements. For each license, amendment or renewal application, identify all foreign and domestic locations where exports or imports will be handled, sorted, repackaged and/or processed in any way. Provide information on quantities, forms, and other characteristics of the radioactive materials, sealed sources, nuclear facilities and equipment to be exported or imported and indicate how they will be used by each of the parties listed. If more space is needed to complete any of the items on this form, use the continuation pages first, and then attach additional sheets. Reference appropriate BLOCK number(s) for each entry on all additional sheets. All applicants should avoid submitting proprietary information unless absolutely necessary, as NRC is required to make copies of all applications received available to the public. If proprietary information must be submitted, follow procedures in 10 CFR 2.390, otherwise, such information could be publicly disclosed and/or processing of an application could be significantly delayed.

PART A. FOR NRC USE ONLY

PART B. TO BE COMPLETED BY ALL APPLICANTS

BLOCK 1. Enter name and complete physical address of the corporation or other entity with direct control over distribution of proposed export(s) or import(s), and where required records will be maintained and can be inspected. Post Office Box Numbers or names of divisions or departments within a legal entity are NOT acceptable entries for this BLOCK.

BLOCKS 1a-e. Provide name and contact information identifying the best party to answer questions about an application. Applicants should use BLOCK 1b to assign their own reference number to identify application documents.

BLOCK 2. Indicate the TYPE OF NRC LICENSING ACTION requested by checking:

- EXPORT if applying for a new export license.
- IMPORT if applying for a new import license.
- COMBINED EXPORT/IMPORT if applying for a new license to export one or more radioactive materials listed in 10 CFR 110, Appendix P, which will need to allow for the return of one or more of these materials to appropriate U.S. recipients.
- AMENDMENT/RENEWAL if applying to modify or extend an export, import or combined license previously issued by NRC (and not yet expired), include NRC license number in space provided. If NRC receives an amendment/ renewal application at least 30 days or more before the license expires, its terms will remain valid and, if circumstances permit, it can continue to be used until NRC completes action on the amendment/ renewal application.
- EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL to report using a general license as authority to export incidental radioactive material.

BLOCK 3. If known, provide contract number(s), which may be useful references for example, if reviewers need to contact recipients or other parties listed on the application.

BLOCK 4. Enter the anticipated date of the first shipment (MM/DD/YYYY).

BLOCK 5. Enter the anticipated date of last shipment (MM/DD/YYYY).

BLOCK 6. Enter a proposed license expiration date (MM/DD/YYYY), to accommodate export activities. Note that NRC licenses are typically issued for 1-5 years.

NOTE: For amendments and renewals, provide only the new or changed information, as appropriate, in PART C and/or PART D. (For example, enter names and addresses of parties or consignees, only if they need to be added to, deleted from, or their information needs to be changed. If seeking to increase the volume or quantity of material or equipment, specify the additional increment, and, if applicable, indicate what the new, combined cumulative total will be.)

PART C. TO BE COMPLETED BY APPLICANTS FOR EXPORT OR COMBINED LICENSES, AMENDMENTS OR RENEWALS

BLOCK 7. Enter names of supplier(s) and other parties to export not listed in BLOCKS 1, 8, OR 9. Provide complete physical address(es) where correspondence should be sent and where export(s) can be inspected. Post Office Box Numbers are NOT acceptable entries for this BLOCK.

BLOCK 7a. Describe functions to be performed and/or services to be provided by any parties listed in BLOCK 7.

BLOCKS 8-9. Enter names and physical address(es) for each intermediate and each ultimate foreign location. Post Office Box Numbers are NOT acceptable entries for these BLOCKS.

BLOCKS 8a and 9a. Describe how each consignee will use export(s), including functions to be performed and/or services to be provided.

BLOCK 10. Describe key characteristics including physical and chemical forms, etc., of radioactive materials (i.e., source, special nuclear or byproduct materials including sealed sources or devices and radioactive waste), nuclear facilities and equipment. Identify source material as natural or depleted uranium, or thorium, and provide chemical form (e.g., U3O8, Th-227). Identify and provide total volume in kilograms of ores containing 0.05% or more of source material (e.g., tantalum, niobium) and specify source material contained. Identify special nuclear material as plutonium, high enriched uranium (> 20% U-235) or low enriched uranium (<20% U-235) and specify chemical form.

Identify Appendix L byproduct materials by name and form, including maximum total quantities and types of sealed sources and/or devices to be exported over the license life. Identify Appendix P materials by name and form, including maximum total quantities and types of sealed sources and/or devices to be exported on a per shipment basis. For radioactive waste, identify and provide maximum total volume

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in kilograms for each non-radioactive material involved, and physical and chemical forms for each radioactive material, along with the overall waste classification (see 10 CFR 61.55); route(s) of transit, forms of management and ultimate disposition. For nuclear facilities, provide total quantity; types; names, design power or annual capacity rating; and the estimated combined total dollar value. For nuclear equipment, identify all items by name, total quantity and function and provide the estimated combined total dollar value.

BLOCK 10a. For source material, provide maximum total volume/element weight over license life in kilograms. For special nuclear material, provide maximum total element weight over license life in kilograms. For each Appendix L byproduct material listed, provide maximum total activity over license life in Terabequerels (TBq). For each Appendix P material listed, provide maximum total activity per shipment in Tbq.

BLOCKS 10b-c. For special nuclear material including as radioactive waste, provide maximum weight % (enrichment) and total isotope weight over license life in kilograms.

BLOCK 11. Identify each country and the percentage of the maximum total volume that may be obligated to them (requires U.S. Government action, e.g., prior notification).

**PART D. TO BE COMPLETED BY APPLICANTS FOR IMPORT OR COMBINED LICENSES, AMENDMENTS OR RENEWALS**

BLOCK 12. Enter name(s) and address(es) of foreign supplier(s) or exporter(s).

BLOCK 12a. For import(s) originally exported under a specific NRC license, enter that license number.

BLOCKS 13 and 14. Complete if applicant in BLOCK 1 is not the sole intermediate or sole ultimate recipient. Provide complete physical mailing address(es) where correspondence should be sent and import(s) could be inspected. Post Office Box Numbers are NOT acceptable entries for this block.

BLOCKS 13a and 14a. Enter NRC or Agreement State Materials License number(s) including expiration date(s) (MM/DD/YYYY) for each U.S. consignee, authorizing receipt, possession, use or distribution.

BLOCKS 13b and 14b. Describe how each consignee listed will use proposed import(s), including functions to be performed and/or services to be provided.

BLOCK 15. Describe key characteristics including physical and chemical forms, etc., of radioactive materials (i.e., source, special nuclear or byproduct materials including sealed sources or devices and radioactive waste), and nuclear facilities. For radioactive waste, identify and provide maximum total volume in kilograms for each non-radioactive material (e.g., contaminated steel) involved, and physical and chemical forms for each radioactive source, special nuclear or byproduct material. Provide overall waste classification (see 10 CFR 61.55); responsible industrial process, route(s) of transit, and the status of arrangements for disposition in the U.S., e.g., any agreement by a low-level waste compact or State to accept for management or disposal. For Appendix P materials, identify by name and form, including maximum total quantities of any bulk materials and/or the maximum total quantities and types of sealed sources and/or devices per shipment. For nuclear facilities, provide total quantities; types; names, design power or annual capacity rating; and the estimated combined total dollar value.

BLOCK 15a. For source and/or special nuclear material, including that which is in the form of radioactive waste, provide maximum total volume/element weight over license life in kilograms. For Appendix L byproduct material, including that which is in the form of radioactive waste, provide maximum total activity over license life in TBq. For Appendix P radioactive materials, provide maximum total activity per shipment in Tbq for each material whether in bulk form or in a sealed source or device.

BLOCKS 15b-c. For special nuclear material including that which is in the form of radioactive waste, provide maximum enrichment/weight % and maximum total isotope weight over license life in kilograms.

BLOCK 16. Identify each country and the percentage of the maximum total volume that may be obligated to them (require U.S. Government action, e.g., prior notification).

**PART E. TO BE COMPLETED BY ALL APPLICANTS**

BLOCK 17. Check YES or NO to verify whether or not additional information is being provided using the space provided on the continuation pages and separate sheets.

BLOCK 17a. Check YES or NO to verify whether or not copies of domestic recipients' authorizations required for Appendix P materials (see Part 110.32 requirements) are included with the application.

BLOCKS 18a-c. An authorized official of the legal entity applying for the License, Amendment or Renewal, must certify the information provided, by signing the document, providing his/her title and the date of the application (MM/DD/YYYY).

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# HALLIBURTON

International Trade Compliance Group  
2101 CityWest Blvd., Bldg. 2, 4th Flr • Houston, Tx 77042  
Direct: 713-839-2000 • Fax: 713-839-4564

3/19/08

March 17, 2007

Deputy Director,  
Office of International Programs  
U.S. Nuclear Regulatory Commission  
Mail Stop O-4E21  
11555 Rockville Pike  
Rockville, Maryland 20852

2530

cat. 2  
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**RE: Application for New Specific License for the Export of Americium in amounts exceeding SI Limits – NRC 10 CFR, Part 110**

Deputy Director,

Halliburton Energy Services, Inc. is applying for a **specific license to export and sell** five (5) each 16 Curie Am241Be Logging Sources and five (5) each 1.5 Curie Cs-137 Sources, eight (8) 2100 nCurie Cs-137 Logging Sources to **Turkish Petroleum Corp (TPAO)/ Turkiye Paetrollerri A. O.** for the End User **Turkish Petroleum Corp (TPAO)/ Turkiye Paetrollerri A. O.** These materials will be used to calibrate downhole well logging equipment for the completion of an oil or gas well prior to the production, or to enhance production of existing wells in India. These items are subject to the export licensing jurisdiction of the U. S. Nuclear Regulatory Commission. Enclosed please find Halliburton's check in the amount of \$4600.00 (Forty six hundred dollars) as the application fee for this license.

Halliburton Energy Services in consideration of Title 10, Part 110.42 (c) of the Code of Federal Regulations submits that the NRC-Controlled Items proposed for export are not inimical to the common defense and security of the United States and the proposed exports are consistent with the policies and objectives of the United States Government.

Included in the application package please find a completed and signed copy of NRC Form 7, "Application for License to Export Nuclear Material and Equipment," with attachment.

If you should have any questions please do not hesitate to call or write at the above number or address.

Sincerely,



Cindy Dorris  
Halliburton Energy Services  
Ph: 713-839-4566  
Email: [cynthia.dorris@halliburton.com](mailto:cynthia.dorris@halliburton.com)

rec'd 4/23/08

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Enc: NRC Form 7  
Halliburton Check for Application  
Halliburton Energy Services Attachment  
Support Documents