

6 pages

NRC FORM 7
(8-2007)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 06/30/2009

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

(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 7-3-08	
LICENSE NUMBER CBP41-2		DOCKET NUMBER N-A		ADAMS ACCESSION NUMBER	
PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR NOTIFICATIONS (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 Halliburton Energy Services 2107 City West Blvd., Bldg. 2 Houston, TX 77042		1a. NAME OF APPLICANT'S CONTACT Cindy Dorris		1b. APPLICANT'S REFERENCE NUMBER HES2544	
		1c. PHONE NUMBER (713) 839-4566		1d. FAX NUMBER (713) 839-4564	
		1e. E-MAIL ADDRESS cynthia.dorris@halliburton.com			
2. TYPE OF ACTION REQUESTED (Check One) <input 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 type="checkbox"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) <input checked="" type="checkbox"/> AMENDMENT/RENEWAL Existing License Number: CBP41-1					
3. CONTRACT NUMBER(S)		4. FIRST SHIPMENT DATE		5. LAST SHIPMENT DATE	
				6. PROPOSED EXPIRATION DATE 10/31/2015	
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		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Halliburton Energy Services and it's subsidiaries in the United Arab Emirates for locations onshore and offshore	
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) Rec'd 7-3-08 PB	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) NONE					

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U.S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER CBP 41-2	DOCKET NUMBER N-A	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 Category 2 quantities of Americium-241 and Americium-241/Be	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 Cindy Dorris International Export Compliance Admin.	18b. SIGNATURE - AUTHORIZED OFFICIAL <i>Cindy Dorris</i>
18c. DATE 06/30/2008	

*Rec'd
7-3-08
PB*

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U.S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER CBP41-2	DOCKET NUMBER N-A	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)

Application for the Extension of the Validity Date (expiration date) for NRC License CBP41-1 for the following Ultimate Foreign Consignees.

Halliburton Energy Services and /or it's subsidiaries onshore and offshore in the United Arab Emirates.

**Halliburton Energy Services
Halliburton Worldwide Ltd
Dubai HWL AE
Al Moosa TR 1 SH Zayed Rd
Dubai, AE
United Arab Emirates**

**Halliburton Energy Services
Abu Dhabi - Storage Space
Salam Street
Abu Dhabi
United Arab Emirates**

**Halliburton Energy Services
ADNOC Base/ESNAAD
Mussafah Base
Abu Dhabi
United Arab Emirates**

**Halliburton Energy Services
Oilfield Supply Center, Ltd
Jebel Ali Free Zone
Building No. B-9
Dubai, AE
United Arab Emirates**

*Rec'd
7-3-08
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NRC FORM 250P (12/05)



Nuclear Regulatory Commission
Washington, D.C. 20555

LICENSE EXPIRES: July 31, 2008

CBP 41-2

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Pursuant to the Atomic Energy Act of 1954, as amended, and the regulations issued by the Nuclear Regulatory Commission (NRC) pursuant thereto, and in reliance on statements and representations heretofore made by the applicant/licensee, this license is hereby issued authorizing the licensee to import and/or export the byproduct materials listed below, subject to the terms and conditions herein. This license is only valid if the licensee maintains the requisite NRC or Agreement State domestic licenses.

ULTIMATE FOREIGN CONSIGNEE(S)

Halliburton Energy Services
ATTN: Cindy Dorris
2101 City West Blvd., Bldg 2
Houston, Texas 77242

APPLICANT'S REFERENCE: HES4023

Listed on Page 3.

**INTERMEDIATE CONSIGNEE(S) IN FOREIGN
COUNTRY(IES) AND/OR IN THE U.S.**

NONE

OTHER PARTY(IES) TO IMPORT/EXPORT

NONE

COUNTRY(IES) OF ULTIMATE DESTINATION: United Arab Emirates and the United States.

DESCRIPTION OF 10 CFR PART 110, APPENDIX P, BYPRODUCT MATERIALS TO BE IMPORTED AND/OR EXPORTED

(NOTE: SEE PAGE 2 FOR DEFINITIONS OF CATEGORY 1 AND CATEGORY 2)

Import and export, from and to United Arab Emirates, Category 2 quantities of Americium-241 and Americium-241/Beryllium, contained in sealed sources for use in oil and gas well logging operations.

Sealed sources will remain in the custody of either Halliburton Energy Services or its subsidiaries in United Arab Emirates at all times, and, when not in use, will be stored in a secure facility controlled either by Halliburton Energy Services or its subsidiaries in United Arab Emirates.

Licensee is responsible for compliance with all applicable import, export, and other domestic regulatory requirements, including all terms and conditions of domestic materials license(s).

License expiration date is based on shipment dates and contingency period.

This license replaces CBP0041 and amends its authority to extend the expiration date from May 31, 2007 to July 31, 2008.

/END/

Neither this license or any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Act, now or hereafter in effect and to all valid rules and regulations of NRC.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW
BY AUTHORIZED NRC REPRESENTATIVE

NAME AND TITLE: Stephen Dembek
Acting Deputy Director
Office of International Programs

DATE OF ISSUANCE: July 18, 2007

IMPORT AND EXPORT LICENSE

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Doc 1-3-13

Table 1: Appendix P to Part 110—Category 1 and Category 2 Radioactive Material Threshold Limits

CBPY-2

Radioactive Material	Category 1		Category 2	
	Terabequerels (TBq)	Curies (Ci) ¹	Terabequerels (TBq)	Curies (Ci) ¹
Americium-241	60	1,600	0.6	16
Americium-241/Be	60	1,600	0.6	16
Californium-252	20	540	0.2	5.4
Curium-244	50	1,400	0.5	14
Cobalt-60	30	810	0.3	8.1
Cesium-137	100	2,700	1.0	27
Gadolinium-153	1,000	27,000	10.0	270
Iridium-192	80	2,200	0.8	22
Plutonium-238 ²	60	1,600	0.6	16
Plutonium-239/Be2	60	1,600	0.6	16
Promethium-147	40,000	1,100,000	400	11,000
Selenium-75	200	5,400	2.0	54
Strontium-90 (Y-90)	1,000	27,000	10.0	270
Thulium-170	20,000	540,000	200	5,400
Ytterbium-169	300	8,100	3.0	81

Calculation of Shipments Containing Multiple Sources or Radionuclides:

The "sum of fractions" methodology for evaluating combinations of radionuclides being transported, is to be used when import or export shipments contain multiple sources or multiple radionuclides. The threshold limit values used in a sum of the fractions calculation must be the metric values (i.e., TBq).

I. If multiple sources and/or multiple radionuclides are present in an import or export shipment, the sum of the fractions of the activity of each radionuclides must be determined to verify the shipment is less than the Category 1 or 2 limits of Table 1, as appropriate. If the calculated sum of the fractions ratio, using the following equation, is greater than or equal to 1.0, then the import or export shipment exceeds the threshold limits of Table 1 and the applicable security provisions of this part apply.

II. Use the equation below to calculate the sum of the fractions ratio by inserting the actual activity of the applicable radionuclides or of the individual sources (of the same radionuclides) in the numerator of the equation and the corresponding threshold activity limit from the Table 1 in the denominator of the equation. Ensure the numerator and denominator values are in the same units and all calculations must be performed using the TBq (i.e., metric) values of Table 1.

R1 = activity for radionuclides or source number 1

R2 = activity for radionuclides or source number 2

RN = activity for radionuclides or source number n

AR1 = activity limit for radionuclides or source number 1

AR2 = activity limit for radionuclides or source number 2

ARN = activity limit for radionuclides or source number n

$$\sum_1^n \left[\frac{R_1}{AR_1} + \frac{R_2}{AR_2} + \frac{R_n}{AR_n} \right] \geq 1$$

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7-3-08
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NOTIFICATIONS: The notifications required by 10 CFR 110.50(b)(4) are to be emailed to hoo1@nrc.gov (preferred method) or faxed to 301-816-5151. In the subject line of the email or on the fax cover page include: "10 CFR 110.50(b)(4) Notification." To contact someone in the Operations Center, use the same e-mail address or call 301-816-5100. The contact information is current at the time of license issuance. Difficulties notifying the U.S. Nuclear Regulatory Commission must be promptly reported to the Office of International Programs' Import/Export licensing staff.

¹ The values to be used to determine whether a license is required are given in TBq. Curie (Ci) values are provided for practical usefulness only and are rounded after conversion.

² The limits for Pu-238 and Pu-239/Be in this table apply for imports to the U.S. The limits for exports of Pu-238 and Pu-239/Be can be found in § 110.21.

CBP41-2

CBP41-1
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ULTIMATE FOREIGN CONSIGNEE(S)

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|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1. Dubai HWL AE
Halliburton Worldwide LTD
Al Moosa TR 1 SH Zayed Rd
Dubai, AE
United Arab Emirates | 3. Halliburton Energy Services
ADNOC Base/ESNAAD
Mussafah Base
Abu Dhabi
United Arab Emirates |
| 2. Halliburton Energy Services
Abu Dhabi- Storage Space
Salam Street
Abu Dhabi
United Arab Emirates | 4. Oilfield Supply Center, LTD
Jebel Ali Free Zone
Building No. B-9
Dubai, AE
United Arab Emirates |

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