

<b>NRC FORM 7</b> (5-2003) 10 CFR 110		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		APPROVED BY OMB: NO. 3150-0027 EXPIRES: 05/31/2006 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 Management Branch (T-8 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to <a href="mailto:infocollects@nrc.gov">infocollects@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>APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT</b> (See Instructions on Reverse)																
1. APPLICANT'S USE		a. DATE OF APPLICATION 10-27-05		b. APPLICANT'S REFERENCE		2. NRC USE		a. DOCKET NUMBER		b. LICENSE NUMBER CBP0010						
3. APPLICANT'S NAME AND ADDRESS							4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier)									
a. NAME Halliburton Energy Services							a. NAME See Attachment 1									
b. STREET ADDRESS (Facility Site) 2101 City West Blvd., Bldg. 2							b. STREET ADDRESS									
c. CITY Houston,				d. STATE TX		e. ZIP CODE 77242		c. CITY								
f. TELEPHONE NUMBER (713) 839-4549		g. FAX (713) 839-4564		h. E-MAIL <a href="mailto:pam.loprete@hal">pam.loprete@hal</a>			d. STATE		e. ZIP CODE							
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE			8. PROPOSED LICENSE EXPIRATION DATE		9. CONTRACT NO.							
12/01/2005		12/31/2015					12/31/2015									
10. ULTIMATE FOREIGN CONSIGNEE							11. ULTIMATE END USE (Include plant or facility name)									
a. NAME Halliburton Energy Services							Halliburton Energy Services and Subsidiaries in the following country: Indonesia									
b. STREET ADDRESS (Facility Site) See Attached							11a. DATE REQUIRED 12/05/2005									
c. CITY				d. COUNTRY			RECEIVED OFFICE 2005 NOV 18 PM 3:17									
12. INTERMEDIATE FOREIGN CONSIGNEE												13. INTERMEDIATE END USE				
a. NAME												13a. DATE REQUIRED				
b. STREET ADDRESS (Facility Site)							15. INTERMEDIATE END USE									
c. CITY				d. COUNTRY			15a. DATE REQUIRED									
14. INTERMEDIATE FOREIGN CONSIGNEE																
a. NAME																
b. STREET ADDRESS (Facility Site)																
c. CITY				d. COUNTRY												
16. COM CODE		17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)				18. MAX. ELEMENT WEIGHT		19. MAX. WT. %		20. MAX. ISOTOPE WEIGHT		21. UNIT				
		See Attachment 1 Category 2 Americium-241 and Americium-241/Be for shipments [REDACTED]														
22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE (Use separate sheet if necessary)																
23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary) See Attachments 2-3 - Support Documents																
24. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations; and that all information in this application is correct to the best of his/her knowledge.																
25. AUTHORIZED OFFICIAL		a. SIGNATURE <i>Pamela Loprete</i>				b. TITLE Manager, International Trade Compliance										

# HALLIBURTON

International Trade Compliance • 2101 CityWest Blvd., Bldg. 2 • Houston, TX 77042-3201  
P.O. Box 42806 Houston, TX 77242  
Phone 713.839.2000 • Fax 713.839.4564

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

October 27, 2005

**RE: Application for 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 license to export, re-export, and import Category 2 Americium-241 and Americium-241/Be for shipments [REDACTED]. These materials are used to calibrate down hole well logging equipment, for the completion of an oil or gas well prior to production, or to enhance production of existing wells. These items are subject to the export licensing jurisdiction of the U.S. Nuclear Regulatory Commission. Enclosed please find Halliburton check in the amount of \$1600.00 (Sixteen hundred dollars) as the application fee for this license.

The NRC – Controlled Items are currently in the possession of either Halliburton Energy Services in the United States or subsidiaries in application countries. The NRC Controlled items that are currently abroad were authorized for export from the United States by an NRC General License under the conditions of Title 10, Parts 110.23 of the Code of Federal Regulations. Following the export of these materials, the material will remain in the custody of Halliburton employees and when not mobilized in support of field activities will be stored in a secure Halliburton facility.

Halliburton Energy Services uses by-product material as tool and equipment calibration sources for the purpose of calibrating and testing well logging tools. The NRC Controlled items are described in attachment 2 to the application.

Halliburton Energy Services in consideration of Title 10, Part 110.42.(c) of the Code of Federal

## Halliburton

Regulations submits that the NRC-Controlled Items proposed for export and re-export are not inimical to the common defense and security of the United States and the proposed exports and re-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 Attachments and 4 copies of the application package to facilitate your review.

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

Sincerely,



Pam Loprete

Halliburton Energy Services  
International Trade Compliance  
Office: 713-839-4549  
[Pam.loprete@halliburton.com](mailto:Pam.loprete@halliburton.com)

Enc: NRC Form 7  
Attachment 1 – Form 7 Additional Information  
Attachment 2 – Support Documents  
Attachment 3 – Indonesia Licenses  
Halliburton Check for Application

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**Attachment 1**

**USNRC Form 7, Application for License to Export, Re-Export, and Import  
Americium Material**

**Application Items 16, 17, 18, 20, 21, and 23**

**Attachment 1**  
**USNRC Form 7, Items 16 – 23**

Halliburton's license application criteria is based on specific shipments that exceed NRC threshold limits as per 10 CFR Part 110. Our current inventory includes [REDACTED] Ambe sources that will require this license for all exports, re-exports, or imports returning to the U.S.

The new regulation requires the use of the 'sum of calculations' methodology for multiple or consolidated shipments. Halliburton has several Ambe sources that are less than the threshold but could exceed the limits if consolidated.

For this reason we are requesting a quantity of 25 'events' or movements between countries. Each shipment will be considered one event and therefore one pull down on the license and one notification to the NRC.

Description	Unit Value (rounded )
[REDACTED] Am241Be Logging Source used with dual spaced Neutron Tool.	\$4,000.00
[REDACTED] Am241Be Logging Source used with dual spaced Neutron Tool	\$500.00
[REDACTED] Am241 source for use with the Fluid Density Tool	\$1500.00
[REDACTED] Am241 calibration source for tool calibration	\$2200.00
[REDACTED] Am241Be sealed source with transport shield used in Compensated Thermal Neutron (CTN) Tool	\$8000.00
[REDACTED] Am241Be sealed source with transport shield used in Compensated Neutron Porosity Tool (CNPh)	\$5500.00
[REDACTED] Am241Be sealed source installed in Compensated Thermal Neutron (CTN) verifier for calibration of CTN Tool.	\$600.00

As noted in the support documents these 'events' would occur between Halliburton Energy Services and Subsidiaries in the following countries: Indonesia. See Attachments 4 for a copy of Halliburton's license to import and use Ambe in Indonesia.