


<b>NRC FORM 7</b> <small>(02-2016)</small> <small>10 CFR 110</small>	 <b>U. S. NUCLEAR REGULATORY COMMISSION</b>	<b>APPROVED BY OMB: NO. 3160-0027</b> <small>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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to <a href="mailto:Infocollects.Resource@nrc.gov">Infocollects.Resource@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.</small>	<b>EXPIRES: 11/30/2018</b>
<b>APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S)</b> <i>(See Instructions on Pages 4 and 5)</i>			
<b>PART A. FOR NRC USE ONLY</b>		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	
		DATE RECEIVED <b>9/11/18</b>	
LICENSE NUMBER <b>X MAT 447</b>	DOCKET NUMBER <b>11006321</b>	ADAMS ACCESSION NUMBER	
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS</b> <small>(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)</small>			
1. NAME AND ADDRESS OF APPLICANT/LICENSEE  Halliburton Energy Services, Inc. 3000 N. Sam Houston Pkwy E. Houston, TX 77032		1a. NAME OF APPLICANT'S CONTACT Kateri Flynn	1b. APPLICANT'S REFERENCE NUMBER HES3263
		1c. PHONE NUMBER (713) 839-4929	1d. FAX NUMBER (713) 839-3290
		1e. E-MAIL ADDRESS kateri.flynn@halliburton.com	
2. TYPE OF ACTION REQUESTED <i>(Check One)</i> <input checked="" type="checkbox"/> EXPORT (Parts B, C, E) <input 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)	4. FIRST SHIPMENT DATE	5. LAST SHIPMENT DATE	6. PROPOSED EXPIRATION DATE
<b>PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS</b> <small>(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)</small>			
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT Halliburton Energy Services, Inc. 3000 N. Sam Houston Pkwy E. Houston, TX 77032	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT  Deuterium Oxide (D2O)	10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)  150 KG	10b. MAX ENRICHMENT OR WGT %	10c. MAX ISOTOPE WGT (KG)
	11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)		

*VMS*  
*2/11/19*  
*JWS*

NRC FORM 7 (02-2016) 10 CFR 110		U. S. NUCLEAR REGULATORY COMMISSION					
<b>APPLICATION FOR NRC EXPORT OR IMPORT                  LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)</b>							
LICENSE NUMBER  <i>XMAT447</i>	DOCKET NUMBER  <i>11006321</i>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC    OR <input type="checkbox"/> NON-PUBLIC				
<b>PART D. TO BE COMPLETED FOR IMPORT 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.)							
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 U. S. 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		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)							
<b>PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)</b>							
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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
<b>18. CERTIFICATION:</b> 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 Kateri Flynn International Trade Compliance Analyst			18b. SIGNATURE -- AUTHORIZED OFFICIAL  kateri.flynn@halliburton.com Digitally signed by kateri.flynn@halliburton.com DN: cn=kateri.flynn@halliburton.com Date: 2018.09.11 13:04:49 -0500		18c. DATE		

*Handwritten initials/signature*

NRC FORM 7  
(02-2016)  
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC	OR	<input type="checkbox"/> NON-PUBLIC
XIMAT 447	11006321				

ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Ultimate Consignee: Contact Information

Halliburton Worldwide Limited (HWL)  
C/O Basra Oil Company  
For Rumaila Technical Services  
Contract : CN101558  
Oil Operation Street  
District # 29, Western Burjesia  
Burjesia Area, Basra - Iraq  
Contact: Bakht Baidar Wain / Zuhair Taj Sheikh  
Phone # +964 (0)780 9129316 - Mobile Iraq  
Email: FMENAPRE-ALERT\_IRAQ@halliburton.com

OTHER PARTY(IES) TO EXPORT (SUPPLIERS) CONTINUED

Halliburton Export Inc.  
3000 N. Sam Houston Parkway E.  
Houston, TX 77032

Halliburton Export Inc.  
14851 Milner Rd.  
Gate 5, Dock SR1, Building DD  
Houston, TX 77032

Halliburton Export Inc.  
14804 Morales Gate 3  
Doc 108  
Houston, TX 77032

HWL  
2/1/16  
JAW

# HALLIBURTON

3000 N. Sam Houston Parkway E. Houston, TX 77032-3219  
Tel: 713-839-4929 • E-mail: [Kateri.flynn@halliburton.com](mailto:Kateri.flynn@halliburton.com)

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

9/5/2018

RE: Application for License for the Export and Import of Deuterium Oxide (D20) -HES3263

Deputy Director,

Halliburton Energy Services, Inc. is applying for a license to export: Deuterium Oxide (D20) to Iraq. The end-use of the Deuterium Oxide (D20) requested in this license for coring operations. This is a mud tracing technique to enable the determination of core contamination. The amount of coring fluid contamination contained in the formation water of a core sample can be determined using a deuterium oxide (heavy water) tracer. Deuterium oxide is added to the mud (fluid) system, prior to coring. During the coring process, depending on the oil & gas company requirement, the D20 concentration will be determined. It is estimated, we will require 2.94 KG of D20 per 100 BBL, and therefore, we are requesting a quantity of 150 KG.

The deuterium Oxide (D20) will be used to provide coring services to Basra Oil Company and Rumaila Technical Services both located in the Basra, Iraq area. Deuterium Oxide is subject to the export-licensing jurisdiction of the U. S. Nuclear Regulatory Commission.

The deuterium Oxide (D20) will remain in the custody of Halliburton Worldwide Limited (HWL) at all times, and when not in use, will be stored in a secure facility controlled by HWL.

Halliburton Energy Services, Inc., 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.

Please do not hesitate to contact me, if you have any questions or concerns.

Sincerely,



Kateri Flynn  
International Trade Compliance Analyst

MA  
C/K 2/14/18