EXPORT LICENSE

NRC FORM 250
(8-94)

NRC LICENSE NO.

XB001309
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THIS LICENSE EXPIRES December 31, 2010

United States of America

Nuclear Regulatory Commission

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant therto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed benow, subject tothe terms and conditions herein.

LICENSEE	ULTIMATE CONSIGNEE IN FOREIGN COUNTRY
Baker Hughes Oilfield Operations, Inc. 2001 Rankin Road Houston, TX 77073 Attn: J. Elrod Radiation Safety Officer	Baker Eastern S.A. Swanni Road Tripoli, Libya (For use in oil well servicing operations at various oil well locations in Libya. Maintenance & Calibration of nuclear logging instruments)
INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY	OTHER PARTIES TO EXPORT
NONE	NONE
APPLICANT'S REF. NO. Appl. Dtd. 10/27/04	COUNTRY OF ULTIMATE DESTINATION Libya

QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES
	The licensee is authorized to export radioactive byproduct material as listed on Page 2 of this license for use in oil well servicing operations at various oil well locations in Libya. The following conditions apply to this license: (1) the material must remain in the control of Baker Hughes and its affiliates, and (2) the licensee is also required to submit calendar year reports of Americium-241 exports under this license to the Office of International Programs containing the information specified in 10 CFR 110.23. XB001309, Continued on Page 2

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, and the Energy Reorganization Act of 1974.

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 Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE

Janice Dunn Lee, Director
Office of International Programs

DATE OF ISSUANCE May 23, 2005

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Part Number	Type	Isotope	Source Strength	Qty	Total CI	Use	Type of material	Physical Form
F084706000	S3T25	Cs137	[redacted]	8	[redacted]	Density logging source	Byproduct material	[redacted]
F111254000	S17S20	Am241 Be	[redacted]	8	[redacted]	Neutron logging source	Byproduct material	[redacted]
F151117000	S3D54* see Note 1	Cs137	[redacted]	8	[redacted]	Density verifier	Byproduct material	[redacted]
F142830000	S17F04	Am241 Be	[redacted]	8	[redacted]	Neutron verifier	Byproduct material	[redacted]
F137549000	S17Z1	Am241 Be	[redacted]	4	[redacted]	ZDL peak calibrator	Byproduct material	[redacted]
F145920005	S17A1	Am241 Be	[redacted]	2	[redacted]	Lab calibration	Byproduct material	[redacted]
F145920004	S3J	Cs137	[redacted]	2	[redacted]	Lab calibration	Byproduct material	[redacted]
F137550000	S3Z	Cs137	[redacted]	16	[redacted]	ZDL pad source	Byproduct material	[redacted]

*Note 1 - the S3D54 package contains 2 source capsules of [redacted] and [redacted] respectively

Part Number	Type	Isotope	Source Strength	Qty	Total CI	Use	Type of material	Physical Form
N52951-101	DLS	Cs 137	[redacted]	8	[redacted]	Density logging source	Byproduct material	[redacted]
NN52961-101	NLS	Am241	[redacted]	8	[redacted]	Neutron logging source	Byproduct material	[redacted]
N49025-101	DVA Note 2	Am241 Cs137	[redacted]	8	[redacted]	Density verifier	Byproduct material	[redacted]
10126039	NVA Note 3	Am241	[redacted]	8	[redacted]	Neutron verifier	Byproduct material	[redacted]
10130247	NVAT Note 4	Am241 Be	[redacted]	8	[redacted]	Neutron verifier	Byproduct material	[redacted]
10130248	DVAT Note 5	Am 241	[redacted]	8	[redacted]	Density verifier	Byproduct material	[redacted]
10009506	NVA Note 3	Am241 Be	[redacted]	8	[redacted]	Neutron verifier	Byproduct material	[redacted]
10091641Detector		Cs 137	[redacted]	24	[redacted]	Detector	Byproduct material	[redacted]
10091340Detector		Cs 137	[redacted]	24	[redacted]	Detector	Byproduct material	[redacted]
10101146Detector		Cs 137	[redacted]	24	[redacted]	Detector	Byproduct material	[redacted]
10101147Detector		Cs 137	[redacted]	24	[redacted]	Detector	Byproduct material	[redacted]

Note 2 - The Density verifier contains two [redacted] Am241 sources, and one [redacted] and one [redacted] Cs 137 source in each verifier
Note 3 - The neutron verifier contains two [redacted] Be sources
Note 4 - The neutron verifier (NVAT) contains two [redacted] Am241 Be sources
Note 5 - The density verifier (DVAT) contains two [redacted] Am 241 sources

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