

Raymond N. Dickes
Radiation Safety Officer
Explosives Safety Officer
Oilfield Services

January 5, 2009

Ms. Margaret M. Doane
Deputy Director, Office of
International Programs
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0011

Re: Report on Shipments of Americium-241 Contained in Petroleum Exploration
Equipment Covered by NRC General License for 2008

Dear Ms. Doane,

Schlumberger Technology Corporation "Schlumberger" relies on the NRC general license provided in 10 CFR 110.23 to export petroleum exploration devices (also known as "well logging" sources) containing americium-241 (Am-241). The attached report describes Schlumberger's exports of Am-241 covered by this general license in calendar year 2008.

If you have any questions regarding this matter, please contact me.

Sincerely,



Raymond Dickes
Radiation Safety Officer
Schlumberger Technology Corporation

cc: Regional Administrator, NRC RIV

all entries for
general
NRC General
License

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Schlumberger

Exports of Americium-241 covered by General Export License (10 CFR 110.23) that Schlumberger Technology Corporation made during 2008

1. Summary of Total Activity Exported by Country

Exported to	Total Activity for the Year (curies)	End User
Angola	17.5	Schlumberger Technical Services Inc.
Australia	53	Schlumberger Oilfield Australia Pty. Ltd.
Canada	83	Schlumberger Canada Ltd.
China	22	Schlumberger China S.A.
Colombia	28	Schlumberger Sureenco S.A.
Congo	17.5	Schlumberger Logelco Inc.
Egypt	32	Schlumberger Logelco Inc.
India	70	Schlumberger Services Asia Ltd.
Indonesia	32	PT. Dowell Anadrill Schlumberger
Japan	16	Schlumberger K.K. Nagaoka Branch
Malaysia	7.5	Schlumberger WTA(M) Sdn Bhd
Mexico	48	Dowell Schlumberger de Mexico
Oman	48	Schlumberger Overseas S.A.
Pakistan	10	Dowell Schlumberger (Western) S.A.
Russia	80	Schlumberger Logelco Inc.
Saudi Arabia	7.5	Schlumberger Middle East S.A.
Thailand	32	Schlumberger Overseas S.A.
United Arab Emirates	12	Schlumberger Middle East S.A.
United Kingdom	16	Schlumberger Oilfield (UK) PLC
Yemen	32	Schlumberger Overseas S.A.

2. Listing of Individual Exports

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRU-Q1047	Well Logging Source Am241Be 370 GBq (10 Ci)	India	1/4/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4065	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	1/14/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4055	Well Logging Source Am241Be 592 GBq (16 Ci)	Thailand	1/16/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4068	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	1/16/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4067	Well Logging Source Am241Be 592 GBq (16 Ci)	Thailand	1/18/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration

Exports of Americium-241 covered by General Export License (10 CFR 110.23) that Schlumberger Technology Corporation made during 2008

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRM-A264	Well Logging Source Am241Be 444 GBq (12 Ci)	United Arab Emirates	1/24/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5224	Well Logging Source Am241Be 592 GBq (16 Ci)	Australia	1/29/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1032	Well Logging Source Am241Be 370 GBq (10 Ci)	India	1/29/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5166	Well Logging Source Am241Be 592 GBq (16 Ci)	Yemen	1/30/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5170	Well Logging Source Am241Be 592 GBq (16 Ci)	Yemen	1/30/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRM-A267	Well Logging Source Am241Be 444 GBq (12 Ci)	India	2/1/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1048	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	2/1/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRM-A266	Well Logging Source Am241Be 444 GBq (12 Ci)	Indonesia	2/4/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1064	Well Logging Source Am241Be 370 GBq (10 Ci)	Pakistan	2/4/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1033	Well Logging Source Am241Be 370 GBq (10 Ci)	India	2/5/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRM-A269	Well Logging Source Am241Be 444 GBq (12 Ci)	Australia	2/6/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1065	Well Logging Source Am241Be 370 GBq (10 Ci)	Angola	2/7/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1066	Well Logging Source Am241Be 370 GBq (10 Ci)	Congo	2/7/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRM-A270	Well Logging Source Am241Be 444 GBq (12 Ci)	India	2/18/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5222	Well Logging Source Am241Be 592 GBq (16 Ci)	Egypt	2/20/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration

Exports of Americium-241 covered by General Export License (10 CFR 110.23) that Schlumberger Technology Corporation made during 2008

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRU-Q1063	Well Logging Source Am241Be 370 GBq (10 Ci)	Australia	2/26/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1067	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Indonesia	2/27/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5223	Well Logging Source Am241Be 592 GBq (16 Ci)	Egypt	3/3/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRT-H12	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Congo	3/10/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRT-Q1060	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Australia	3/10/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRT-Q1094	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Australia	3/10/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRT-H11	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Angola	3/21/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4071	Well Logging Source Am241Be 592 GBq (16 Ci)	Colombia	4/8/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRT-Q1059	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Canada	4/12/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRFX-G5228	Well Logging Source Am241Be 296 GBq (8 Ci)	Japan	4/14/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRFX-G5229	Well Logging Source Am241Be 296 GBq (8 Ci)	Japan	4/14/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-Q1062	Well Logging Source Am241Be 278 GBq (7.5 Ci)	China	4/14/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRM-A265	Well Logging Source Am241Be 444 GBq (12 Ci)	China	4/17/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRM-A271	Well Logging Source Am241Be 444 GBq (12 Ci)	Colombia	4/23/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRT-Q1093	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Saudi Arabia	4/23/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration

Exports of Americium-241 covered by General Export License (10 CFR 110.23) that Schlumberger Technology Corporation made during 2008

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRT-Q1061	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Malaysia	4/29/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5220	Well Logging Source Am241Be 592 GBq (16 Ci)	Oman	5/12/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5221	Well Logging Source Am241Be 592 GBq (16 Ci)	Oman	5/12/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4072	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	6/9/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-N372	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Canada	10/15/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4060	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	10/17/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5230	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	11/11/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5231	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	11/11/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5232	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	11/11/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5233	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	11/11/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5244	Well Logging Source Am241Be 592 GBq (16 Ci)	India	11/12/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5243	Well Logging Source Am241Be 592 GBq (16 Ci)	Oman	11/26/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRU-N343	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Canada	12/4/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5239	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/9/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5240	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/9/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration

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Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRT-Q1037	Well Logging Source Am ²⁴¹ Be 278 GBq (7.5 Ci)	Canada	12/10/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-A1139	Well Logging Source Am ²⁴¹ Be 592 GBq (16 Ci)	Canada	12/16/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRL-G4074	Well Logging Source Am ²⁴¹ Be 592 GBq (16 Ci)	United Kingdom	12/29/2008	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration