

Raymond N. Dickes  
Radiation Safety Officer  
Explosives Safety Officer  
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**Schlumberger**

January 31, 2005

VIA Facsimile & U.S. Mail

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 2000 through 2004

Dear Ms. Doane,

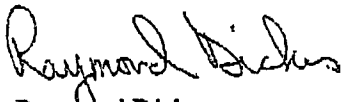
Schlumberger Technology Corporation "Schlumberger" relies on the NRC general license provided in 10 CFR 110.23 to export petroleum exploration devices (also known as "well logging" sources) containing americium-241 (Am-241). Schlumberger recently discovered that a November 22, 2000 amendment to NRC's export rules at 10 CFR 110.23 required reports of exports of Am-241 covered by this general license by February 1<sup>st</sup> for the previous calendar year. Schlumberger has not provided reports to the NRC on exports of Am-241 covered by this general license for calendar years 2000, 2001, 2002 and 2003.

The attached report describes Schlumberger's exports of Am-241 covered by this general in calendar years 2000 through 2004. By separate letter dated January 31, 2005, Schlumberger noted three exports to its affiliate in Libya not within the scope of the general license. For completeness, data on those shipments also are included in the attached letter.

Schlumberger is mindful of its responsibility to comply with NRC's rules governing the export of by-product material contained in petroleum exploration equipment. Schlumberger has taken steps to ensure future compliance with Am-241 export reporting requirements.

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

**Exports of Americium-241 covered by General Export License (10 CFR 110.23) that  
Schlumberger Technology Corporation made during 2004**

**1. Summary of Total Activity Exported by Country**

Exported to	Total Activity for the Year (Ci/g)	End User
Australia	74	Schlumberger Oilfield Australia Pty. Ltd.
Canada	154	Schlumberger Canada Ltd.
Equatorial Guinea	10	Schlumberger SEACO Inc.
India	153.5	Schlumberger Services Asia Ltd.
Indonesia	20	PT Schlumberger Geo-Physics Nusantara
Japan	16	Schlumberger K.K. Nagaoka Branch
Mexico	90	Schlumberger Offshore Services Mexico N.V.
Oman	10	Schlumberger Overseas S.A.
Qatar	20	Schlumberger Overseas S.A.
Trinidad and Tobago	7.5	Schlumberger Trinidad Inc.

**2. Listing of Individual Exports**

Asset ID#	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRU-U001	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	01/02/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-U004	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	01/02/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A240	Well Logging Source Am241Be 370 GBq (10 Ci)	India	01/07/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A241	Well Logging Source Am241Be 370 GBq (10 Ci)	India	01/07/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N391	Well Logging Source Am241Be 370 GBq (10 Ci)	Mexico	01/21/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N404	Well Logging Source Am241Be 370 GBq (10 Ci)	Qatar	01/21/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5083	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	01/22/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5123	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	01/23/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5124	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	01/23/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A202	Well Logging Source Am241Be 370 GBq (10 Ci)	Canada	02/02/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	GRF/Initial Export Date	End User and Intended Use
NSRF-G5085	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	02/25/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5125	Well Logging Source Am241Be 592 GBq (16 Ci)	India	03/15/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5127	Well Logging Source Am241Be 592 GBq (16 Ci)	India	03/15/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5121	Well Logging Source Am241Be 592 GBq (16 Ci)	India	03/17/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5122	Well Logging Source Am241Be 592 GBq (16 Ci)	India	03/17/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-U007	Well Logging Source Am241Be 370 GBq (10 Ci)	Oman	03/30/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A257	Well Logging Source Am241Be 370 GBq (10 Ci)	India	05/03/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5126	Well Logging Source Am241Be 592 GBq (16 Ci)	India	05/12/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5133	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	06/18/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5134	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	06/18/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-U006	Well Logging Source Am241Be 370 GBq (10 Ci)	Equatorial Guinea	07/30/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A2458	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	08/09/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5093	Well Logging Source Am241Be 592 GBq (16 Ci)	Australia	08/27/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5096	Well Logging Source Am241Be 592 GBq (16 Ci)	Australia	08/27/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5135	Well Logging Source Am241Be 592 GBq (16 Ci)	Australia	08/27/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5136	Well Logging Source Am241Be 592 GBq (16 Ci)	Australia	08/27/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRT-C2C	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Trinidad and Tobago	09/03/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRF-A3138	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	09/13/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5141	Well Logging Source Am241Be 592 GBq (16 Ci)	India	09/17/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A202	Well Logging Source Am241Be 370 GBq (10 Ci)	Australia	09/29/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A250	Well Logging Source Am241Be 370 GBq (10 Ci)	India	09/30/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-U003	Well Logging Source Am241Be 370 GBq (10 Ci)	India	09/30/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRT-C2D	Well Logging Source Am241Be 278 GBq (7.5 Ci)	India	10/01/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4028	Well Logging Source Am241Be 592 GBq (16 Ci)	Japan	10/05/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5111	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	10/06/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5112	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	10/06/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A1639	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	10/08/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-U002	Well Logging Source Am241Be 370 GBq (10 Ci)	Qatar	10/26/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4029	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	11/22/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4026	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	11/30/04	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A1636	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/31/04	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 2003**

**1. Summary of Total Activity Exported by Country**

Exported to	Total Activity for the Year (Ci/g)	Entity
Brunei	10	Dowell Schlumberger (Eastern) Inc.
Canada	186	Schlumberger Canada Ltd.
China	16	Schlumberger China Offshore
India	32	Schlumberger Services Asia Ltd.
Indonesia	70	PT Schlumberger Geo-Physics Nusantara
Kazakhstan	48	Schlumberger Logelco Inc.
Nigeria	16	Schlumberger Overseas S.A. c/o Schlumberger Nigeria Ltd.
Norway	10	Schlumberger Norge A.S.
Qatar	30	Schlumberger Overseas S.A.
Russia	96	Schlumberger Logelco Inc.
Trinidad and Tobago	17.5	Schlumberger Trinidad Inc.
Turkmenistan	48	Schlumberger Overseas S.A.
United Arab Emirates	10	Anadrill International S.A. (Schlumberger Corporate Affiliate)
United Kingdom	10	Schlumberger Evaluation & Production Services (UK) Ltd.
Venezuela	10	Schlumberger Venezuela S.A.

**2. Listing of Individual Exports**

Asset ID	Description	Exported to	Export Date	End User and Intended Use
NSRU-N372	Well Logging Source Am241Be 370 GBq (10 Ci)	Trinidad and Tobago	01/02/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N323	Well Logging Source Am241Be 370 GBq (10 Ci)	Venezuela	01/02/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4012	Well Logging Source Am241Be 592 GBq (16 Ci)	China	01/15/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N392	Well Logging Source Am241Be 370 GBq (10 Ci)	Norway	01/15/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A2149	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	01/29/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-A3039	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	02/04/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A687	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	02/04/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A233	Well Logging Source Am241Be 370 GBq (10 Ci)	United Arab Emirates	02/12/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRU-N402	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	02/21/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A1653	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	02/24/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N397	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	02/26/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRT-C2C	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Trinidad and Tobago	03/03/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A242	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	04/08/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A244	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	04/08/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A245	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	04/08/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5102	Well Logging Source Am241Be 592 GBq (16 Ci)	Turkmenistan	04/10/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5103	Well Logging Source Am241Be 592 GBq (16 Ci)	Turkmenistan	04/10/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5104	Well Logging Source Am241Be 592 GBq (16 Ci)	Turkmenistan	04/10/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N384	Well Logging Source Am241Be 370 GBq (10 Ci)	Canada	04/16/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N403	Well Logging Source Am241Be 370 GBq (10 Ci)	Brunei	04/23/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N403	Well Logging Source Am241Be 370 GBq (10 Ci)	Brunei	04/23/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A234	Well Logging Source Am241Be 370 GBq (10 Ci)	Qatar	05/08/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A243	Well Logging Source Am241Be 370 GBq (10 Ci)	Qatar	05/08/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A246	Well Logging Source Am241Be 370 GBq (10 Ci)	Qatar	05/08/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5105	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	05/22/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRF-G5106	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	05/22/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N405	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	07/07/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5098	Well Logging Source Am241Be 592 GBq (16 Ci)	Kazakhstan	07/07/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5099	Well Logging Source Am241Be 592 GBq (16 Ci)	Kazakhstan	07/07/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5100	Well Logging Source Am241Be 592 GBq (16 Ci)	Kazakhstan	07/07/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A3138	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	07/08/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5094	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	08/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5097	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	08/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5101	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	08/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4024	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	08/29/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5113	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	09/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5114	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	09/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5115	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	09/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5116	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	09/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A251	Well Logging Source Am241Be 370 GBq (10 Ci)	United Kingdom	10/14/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A249	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	10/26/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5119	Well Logging Source Am241Be 592 GBq (16 Ci)	India	12/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRF-G5120	Well Logging Source Am241Be 592 GBq (16 Ci)	India	12/19/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5095	Well Logging Source Am241Be 592 GBq (16 Ci)	Nigeria	12/23/03	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5070	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/29/03	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 2002**

**1. Summary of Total Activity Exported by Country**

Exported to	Total Activity for the year (curies)	End User
Azerbaijan	36	Schlumberger Logelco Inc.
Brazil	27.5	SLB Servicos de Petroleo Ltda. (Schlumberger Corporate Affiliate)
Canada	190	Schlumberger Canada Ltd.
China	10	Schlumberger China Offshore
Colombia	10	Schlumberger Sureenco S.A.
France	32	Services Petroliers Schlumberger
Indonesia	20	PT Schlumberger Geo-Physics Nusantara
Italy	10	Schlumberger Italiana S.P.A.
Mexico	84	Schlumberger Offshore Services Mexico N.V.
Nigeria	20	Schlumberger Overseas S.A. - Schlumberger Nigeria Ltd.
Norway	56	Schlumberger Norge A.S.
Oman	26	Schlumberger Overseas S.A.
Saudi Arabia	10	Schlumberger Middle East S.A.
Thailand	48	Schlumberger Overseas S.A.
Trinidad and Tobago	10	Schlumberger Trinidad Inc.

**2. Listing of Individual Exports**

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRM-A187	Well Logging Source Am241Be 370 GBq (10 Ci)	Canada	01/29/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N316	Well Logging Source Am241Be 370 GBq (10 Ci)	Canada	02/20/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A202	Well Logging Source Am241Be 370 GBq (10 Ci)	Trinidad and Tobago	03/19/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N388	Well Logging Source Am241Be 370 GBq (10 Ci)	Italy	03/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N389	Well Logging Source Am241Be 370 GBq (10 Ci)	Nigeria	03/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4007	Well Logging Source Am241Be 592 GBq (16 Ci)	Oman	03/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4004	Well Logging Source Am241Be 592 GBq (16 Ci)	Thailand	03/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4006	Well Logging Source Am241Be 592 GBq (16 Ci)	Thailand	03/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported To	Approximate Export Date	End User and Intended Use
NSRL-G4009	Well Logging Source Am241Be 592 GBq (16 Ci)	Thailand	03/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A174	Well Logging Source Am241Be 370 GBq (10 Ci)	Mexico	05/15/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A235	Well Logging Source Am241Be 370 GBq (10 Ci)	Mexico	06/20/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A234	Well Logging Source Am241Be 370 GBq (10 Ci)	Brazil	06/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N390	Well Logging Source Am241Be 370 GBq (10 Ci)	Brazil	06/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N391	Well Logging Source Am241Be 370 GBq (10 Ci)	Colombia	06/21/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N395	Well Logging Source Am241Be 370 GBq (10 Ci)	Nigeria	07/18/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRT-C1S	Well Logging Source Am241Be 278 GBq (7.5 Ci)	Brazil	08/05/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5080	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	08/09/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5081	Well Logging Source Am241Be 592 GBq (16 Ci)	France	08/14/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5082	Well Logging Source Am241Be 592 GBq (16 Ci)	France	08/14/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N393	Well Logging Source Am241Be 370 GBq (10 Ci)	Azerbaijan	08/22/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N394	Well Logging Source Am241Be 370 GBq (10 Ci)	China	09/17/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4011	Well Logging Source Am241Be 592 GBq (16 Ci)	Azerbaijan	10/17/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A2458	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	10/19/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRM-A236	Well Logging Source Am241Be 370 GBq (10 Ci)	Norway	10/22/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	Approximate Export Date	End User and Intention of Use
NSRM-A237	Well Logging Source Am241Be 370 GBq (10 Ci)	Norway	10/22/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N396	Well Logging Source Am241Be 370 GBq (10 Ci)	Azerbaijan	10/24/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRL-G4016	Well Logging Source Am241Be 592 GBq (16 Ci)	Norway	11/12/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5091	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	12/11/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5089	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	12/12/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5087	Well Logging Source Am241Be 592 GBq (16 Ci)	Mexico	12/12/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N399	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	12/18/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N400	Well Logging Source Am241Be 370 GBq (10 Ci)	Indonesia	12/18/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A2179	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/19/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N366	Well Logging Source Am241Be 370 GBq (10 Ci)	Canada	12/19/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRU-N401	Well Logging Source Am241Be 370 GBq (10 Ci)	Saudi Arabia	12/19/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-A1645	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5083	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5084	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5085	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5086	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5088	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRF-G5090	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5092	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/30/02	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 2001**

**1. Summary of Total Activity Exported by Country**

Exported to	Total Activity for the Year (Ci/gm)	End Use
Algeria	32	Services Petrolieres Schlumberger
Argentina	16	Schlumberger Argentina S.A
Brazil	64	SLB Servicos de Petroleo Ltda. (Schlumberger Corporate Affiliate)
Canada	16	Schlumberger Canada Ltd.
Ecuador	16	Schlumberger Sureenco S.A.
Nigeria	32	Schlumberger Overseas S.A. c/o Schlumberger Nigeria Ltd.
Russia	32	Schlumberger Logelco Inc.
Viet Nam	16	Schlumberger SEACO Inc.

**2. Listing of Individual Exports**

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRF-G5042	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	01/19/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5045	Well Logging Source Am241Be 592 GBq (16 Ci)	Argentina	01/19/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5046	Well Logging Source Am241Be 592 GBq (16 Ci)	Brazil	01/19/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5047	Well Logging Source Am241Be 592 GBq (16 Ci)	Brazil	01/19/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5048	Well Logging Source Am241Be 592 GBq (16 Ci)	Brazil	01/19/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5049	Well Logging Source Am241Be 592 GBq (16 Ci)	Brazil	01/19/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5079	Well Logging Source Am241Be 592 GBq (16 Ci)	Viet Nam	01/24/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5054	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	02/15/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5056	Well Logging Source Am241Be 592 GBq (16 Ci)	Nigeria	03/23/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5060	Well Logging Source Am241Be 592 GBq (16 Ci)	Russia	06/19/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration
NSRF-G5071	Well Logging Source Am241Be 592 GBq (16 Ci)	Algeria	08/17/01	Schlumberger Corporate Affiliate - Well Logging for Petroleum Exploration

Asset ID	Description	Exported to	Approximate Export Date	End User and Intended Use
NSRF-G5072	Well Logging Source Am241Be 592 GBq (16 Ci)	Algeria	08/17/01	Schlumberger Corporate Affiliate Well Logging for Petroleum Exploration
NSRF-G5077	Well Logging Source Am241Be 592 GBq (16 Ci)	Nigeria	12/14/01	Schlumberger Corporate Affiliate Well Logging for Petroleum Exploration
NSRF-G5078	Well Logging Source Am241Be 592 GBq (16 Ci)	Ecuador	12/14/01	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 2000**

**1. Summary of Total Activity Exported by Country**

Exported to	Total Activity for the year (curies)	End User
Canada	192	Schlumberger Canada Ltd.
China	10	Schlumberger China Offshore

**2. Listing of Individual Exports**

Asset ID	Description	Exported to	Export Date	End Use and Intended Use
NSRU-N346	Well Logging Source Am241Be 370 GBq (10 Ci)	China	04/20/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5028	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	10/20/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5029	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	10/20/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5030	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	10/20/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5031	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	10/20/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5033	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	11/17/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5034	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	11/17/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5035	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	11/17/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5036	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	11/17/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5037	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	11/17/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5039	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/15/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5040	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/15/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration
NSRF-G5041	Well Logging Source Am241Be 592 GBq (16 Ci)	Canada	12/15/00	Schlumberger Corporate Affiliate – Well Logging for Petroleum Exploration