

Table 1. Expenditures on Submarine Dismantlement and Related Activities (in millions)

	1999	2000	2001	2002	2003	2004	2005 request
Russia:							
Industry (dismantlement of nuclear submarines, nuclear surface vessels, and service ships; environmental rehabilitation)	\$19.7	\$28.9	\$34.7	\$56.2	\$61.4	Information not available	Information not available
Capital investment (infrastructure creation and modernization)	\$2.1	\$4.7	\$4.7	\$5.2	\$7.4		
R&D	\$1.0	\$1.9	\$2.0	\$2.9	\$1.8		
United States:							
<i>Department of Defense:</i>							
Strategic Arms Elimination (total)	\$170.1	\$182.6	\$177.8	\$133.4	\$70.1	\$66.6	\$58.5
Of which: SLBM Launcher/SSBN Dismantlement	not available	not available	not available	not available	\$27.0	\$9.7	\$10.2
Spent Naval Fuel Disposition					\$12.4	\$7.6	\$0.4
Dismantlement of submarines in the Russian Far East (separate budget line)	\$35.0	\$25.0	\$0.0	\$12.75 million	not available	\$10.0	\$10.0
AMEC	\$4.9	\$4.6	\$5.9	\$2.6	\$1.9	\$3.9	about \$3.9
<i>Department of Energy:</i>							
Nuclear Material Protection, Control and Accounting (total)	\$139.7	\$138.7	\$169.5	\$266.6	\$193.9	\$206.5	\$199.0
Of which: Navy Complex MPC&A (Note: The US spent \$54.5 million on MPC&A at Navy nuclear fuel sites through 2000; by 2004, the total cost of MPC&A at Navy sites will be \$74.9)	Navy total total: \$15 million (estimated)	Navy warheads: \$43.2 Navy fuel: \$13.4	Navy total: \$19.0 Navy fuel: \$8.9	Navy warheads: \$61.8 Navy fuel: \$3.1	Navy warheads: \$47.3 Navy fuel: \$8.5	Navy total: \$38.0	Navy complex request: \$15.0
Canada:							
NDEP contributions	--	--	--	--	\$23.4	--	not available
European Union:							
NDEP contributions	--	--	--	--	\$49.0	--	not available
France:							
NDEP contributions	--	--	--	--	\$49.0	--	not available
Funding of <i>Lepse</i> nuclear fuel ship rehabilitation	--	--	--	--	(\$17.7 committed, expenditure unknown)		not available
Germany:							
NDEP contributions	--	--	--	--	\$12.2	--	not available
Contracts signed for work at Sayda Bay	--	--	--	--	--	\$30.7	not available
Japan:							
Liquid radioactive waste processing facility (funded 1993-2000)	\$36.0 (total spent by 2000)		(project completed)	--	--	--	--
Funds disbursed for submarine-related assistance projects*	--	--	--	\$100.0*	--	--	--
<i>Including:</i> Nuclear submarine dismantlement	--	--	--	--	\$6.7	not available	not available
Norway:							
NDEP contributions	--	--	--	--	\$12.2	--	not available
Funding of <i>Lepse</i> rehabilitation	--	--	--	Over \$3.0	not available	not available	not available
Nuclear submarine dismantlement	--	--	--	--	--	\$12.0	not available
AMEC	not available	not available	not available	not available	not available	\$1.0	not available
Andreyeva Bay projects	not available	not available	not available	not available	\$4.0	not available	not available
Sweden:							
NDEP contributions	--	--	--	--	\$12.2	--	not available
Andreyeva Bay projects	--	--	--	--	\$0.5	not available	not available
United Kingdom:							
NDEP contributions	--	--	--	--	\$18.4		
Projects in Northwest Russia (includes submarine dismantlement, spent fuel storage, Andreyeva Bay projects, AMEC, physical protection upgrades to nuclear icebreakers)	--	--	\$15	\$1.2	\$29.4	not available	not available

*The Japanese government has disbursed \$100 million for projects in the naval sphere. Decisions over concrete project funding are made by the joint Russian-Japanese Committee on Cooperation to Assist in Eliminating Nuclear Weapons Subject to Reduction in the Russian Federation.

Chart sources include:

"Controlling Nuclear Warheads and Materials," report on the NTI Website, <http://www.nti.org/analysis/speeches/controlling-nuclear-warheads-and-materials-sam-nunn/>.
 "The G8 Global Partnership: Progress report on the UK's programme to address nuclear, chemical and biological legacies in the Former Soviet Union," http://www.dti.gov.uk/energy/nuclear/fsu/news/First_annual_report.pdf.
 NIS Nuclear and Missile Databases, NTI Website, <http://www.nti.org/db/nisprofs>.
 U.S. Department of Energy Budget Roll-Out Media Availability Secretary Spencer Abraham, February 2, 2004, http://www.energy.gov/engine/oe/files/dynamic/512004105158_BudgetRollout2005Transcript.pdf.
 William Hoehn, "Analysis of the Bush Administration's Fiscal Year 2002 Budget Requests for U.S.-Former Soviet Union Nuclear Security: Department of Energy Programs," August 10, 2001, RANSAC website, <http://www.ransac.org>.
 William Hoehn, "Update on Congressional Activity Affecting U.S.-Russian Cooperative Nonproliferation Programs, July 26, 2002, RANSAC website, <http://www.ransac.org>.