TABLE OF FISSILE MATERIAL IN UKRAINE

The following table provides information on highly enriched uranium and separated plutonium stockpiles at sites in **Ukraine**. Because of uncertainties in Russian and other NIS fissile material inventories, these tables are not exhaustive.

For HEU, the mass of U-235 is listed along with the enrichment. When only an aggregate amount of HEU with various enrichments is known, the total weight of the HEU

inventory is listed. For some sites only core loadings of research reactors are known, rather than the total amount of fissile material. This is indicated in the table. The table includes stocks of fresh fuel or fuel currently loaded in reactors. Spent fuel is not included.

Location	Facility	Material						Source
		Plutonium			HEU			
		kg	grade	form	kg of U-235	enrichment	form	
Kharkiv	Kharkiv Institute of Physics and Technology	0	NA	NA	up to 67.5	90%	bulk material	CNS discussions with Ukrainian officials
Kiev	Institute for Nuclear Research	small quantities of Pu-239	--	--	13.2 kg (typical core loading)	36% and 90%	fresh fuel assemblies	I.M. Vishnevsky and V. I. Gavriliuk, "Cooperative Efforts To Improve Accounting, Control, and Physical Protection of Nuclear

								Institute for Nuclear Research Scientific Center of the National Academy of Sciences of Ukraine and the State Atomic Energy Commission of Ukraine," *United States/Former Soviet Union: Program of Cooperation on Nuclear Material Protection, Control and Accounting*, December 1996, p. NIS 47.
Sevastopol	Sevastopol Naval Research Institute, Naval Academy of the Ukr. MoD	0	NA	NA	3.1 to 6.1	36% and 90%	--	Andriy Glukhov, Project Manager Battelle, Senate Subcommittee on Investigations, 3/13/96, and Emily Ewell, "Trip Report: Uzbekistan, Kazakhstan and Ukraine", June 1995 and "Nuclear Safety: Concerns with Nuclear

								Other Sources of Radiation in the Former Soviet Union," GAO/RCED 96-4, 11/95, p. 24.

KEY: **NA** not applicable;

-- information unknown