

TABLE I. FACILITIES UNDER AGENCY SAFEGUARDS OR CONTAINING SAFEGUARDED MATERIAL ON 31 DECEMBER 2002

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Power reactors				
Argentina	Atucha NPP	1	Lima	—
	Embalse NPP	1	Embalse	—
Armenia	Armenia NPP	2	Medzamor	x
Belgium	BR3-Mol	1	Mol	x
	DOEL-1	2	Doel	x
	DOEL-3	1	Doel	x
	DOEL-4	1	Doel	x
	Tihange-1	1	Tihange	x
	Tihange-2	1	Tihange	x
	Tihange-3	1	Tihange	x
Brazil	Admiral Alvaro Alberto (Angra-1)	1	Angra dos Reis	x
	Admiral Alvaro Alberto (Angra-2)	1	Angra dos Reis	x
Bulgaria	Kozloduy-I	2	Kozloduy	x
	Kozloduy-II	2	Kozloduy	x
	Kozloduy-III	2	Kozloduy	x
Canada	Bruce A	4	Tiverton	x
	Bruce B	4	Tiverton	x
	Darlington N.G.S.	4	Bowmanville	x
	Gentilly-2	1	Gentilly	x
	Pickering G.S.	8	Pickering	x
	Point Lepreau G.S.	1	Point Lepreau	x
China	QSNPP	1	Hai Yan	x
Cuba	Juragua	2	Juragua	x
Czech Republic	EDU-1	2	Dukovany	x
	EDU-2	2	Dukovany	x
	Temelin	2	Temelin	x
Democratic People's Republic of Korea	Nyongbyon-1	1	Nyongbyon	—
Finland	Loviisa	2	Loviisa	—
	TVO I	1	Olkiluoto	—
	TVO II	1	Olkiluoto	—
Germany	AVR	1	Jülich	—
	KWG Grohnde	1	Grohnde	x
	GKN-2	1	Neckarwestheim	x
	RWE Biblis-A	1	Biblis	x
	RWE Biblis-B	1	Biblis	x
	KBR Brokdorf	1	Brokdorf	x
	KKB Brunsbüttel	1	Brunsbüttel	x
	KKE Emsland	1	Lingen	x
	KKG Grafenrheinfeld	1	Grafenrheinfeld	x
	KKI Isar-Ohu	1	Ohu bei Landshut	x
	KKI Isar-2	1	Essenbach	x
	KKK Krümmel	1	Geesthacht	x
	RWE Mühlheim-Kärlich	1	Mühlheim-Kärlich	x
	GKN Neckarwestheim	1	Neckarwestheim	x
	KWO Obrigheim	1	Obrigheim	x
	KKP Philippsburg-1	1	Philippsburg	x
	KKP Philippsburg-2	1	Philippsburg	x
KRB II Gundremmingen B	1	Gundremmingen	x	

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
	KRB II Gundremmingen C	1	Gundremmingen	x
	KKS Stade	1	Stade	x
	KKU Unterweser	1	Unterweser	x
	HKG-THTR 300	1	Hamm	—
	KKW Greifswald 1	2	Lubmin	—
	KKW Greifswald 2	2	Lubmin	—
	KKW Greifswald 3	1	Lubmin	—
Hungary	PAKS-I	2	Paks	x
	PAKS-II	2	Paks	x
India	RAPS	2	Rajasthan	x
	TAPS	2	Tarapur	x
Italy	ENEL-Latina	1	Borgo-Sabotino	x
	ENEL-Caorso	1	Caorso	x
	ENEL-Trino	1	Trino-Vercellese	x
Japan	Fugen	1	Tsuruga-shi, Fukui-ken	x
	Fukushima Dai-Ichi-1	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ichi-2	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ichi-3	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ichi-4	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ichi-5	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ichi-6	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ni-1	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ni-2	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ni-3	1	Futaba-gun, Fukushima-ken	x
	Fukushima Dai-Ni-4	1	Futaba-gun, Fukushima-ken	x
	Genkai-1	1	Higashimatsura-gun, Saga-ken	x
	Genkai-2	1	Higashimatsura-gun, Saga-ken	x
	Genkai-3	1	Higashimatsura-gun, Saga-ken	x
	Genkai-4	1	Higashimatsura-gun, Saga-ken	x
	Hamaoka-1	1	Ogasa-gun, Shizuoka-ken	x
	Hamaoka-2	1	Ogasa-gun, Shizuoka-ken	x
	Hamaoka-3	1	Ogasa-gun, Shizuoka-ken	x
	Hamaoka-4	1	Ogasa-gun, Shizuoka-ken	x
	Ikata-1	1	Nishiuwa-gun, Ehime-ken	x
	Ikata-2	1	Nishiuwa-gun, Ehime-ken	x
	Ikata-3	1	Nishiuwa-gun, Ehime-ken	x
	Joyo	1	Higashi-gun, Ibaraki-ken	x
	Kashiwazaki-1	1	Kashiwazaki-shi, Niigata-ken	x
	Kashiwazaki-2	1	Kashiwazaki-shi, Niigata-ken	x
	Kashiwazaki-3	1	Kashiwazaki-shi, Niigata-ken	x
	Kashiwazaki-4	1	Kashiwazaki-shi, Niigata-ken	x
	Kashiwazaki-5	1	Kashiwazaki-shi, Niigata-ken	x
	Kashiwazaki-6	1	Kashiwazaki-shi, Niigata-ken	x
	Kashiwazaki-7	1	Kashiwazaki-shi, Niigata-ken	x
	Mihama-1	1	Mikata-gun, Fukui-ken	x
	Mihama-2	1	Mikata-gun, Fukui-ken	x
	Mihama-3	1	Mikata-gun, Fukui-ken	x
	Monju	1	Tsuruga-shi, Fukui-ken	x
	Ohi-1 and 2	2	Ohi-gun, Fukui-ken	x
	Ohi-3	1	Ohi-gun, Fukui-ken	x
	Ohi-4	1	Ohi-gun, Fukui-ken	x
	Onagawa-1	1	Oshika-gun, Miyaki-ken	x
	Onagawa-2	1	Oshika-gun, Miyaki-ken	x
	Sendai-1	1	Sendai-shi, Kagoshima-ken	x
	Sendai-2	1	Sendai-shi, Kagoshima-ken	x
	Shika	1	Hakui-gun, Ishikawa-ken	x
	Shimane-1	1	Yatsuka-gun, Shimane-ken	x
	Shimane-2	1	Yatsuka-gun, Shimane-ken	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
	Takahama-1	1	Ohi-gun, Fukui-ken	x
	Takahama-2	1	Ohi-gun, Fukui-ken	x
	Takahama-3	1	Ohi-gun, Fukui-ken	x
	Takahama-4	1	Ohi-gun, Fukui-ken	x
	Tokai-2	1	Tokai-Mura, Ibaraki-ken	x
	Tomari-1	1	Furuu-gun, Hokkaido	x
	Tomari-2	1	Furuu-gun, Hokkaido	x
	Tsuruga-1	1	Tsuruga-shi, Fukui-ken	x
	Tsuruga-2	1	Tsuruga-shi, Fukui-ken	x
Kazakhstan	BN-350	1	Aktau	—
Korea, Republic of	Kori-1	1	Pusan	x
	Kori-2	1	Pusan	x
	Kori-3	1	Pusan	x
	Kori-4	1	Pusan	x
	Ulchin-1	1	Ulchin	x
	Ulchin-2	1	Ulchin	x
	Ulchin-3	1	Ulchin	x
	Ulchin-4	1	Ulchin	x
	Wolsong-1	1	Kyongju	x
	Wolsong-2	1	Kyongju	x
	Wolsong-3	1	Kyongju	x
	Wolsong-4	1	Kyongju	x
	Younggwang-1	1	Younggwang	x
	Younggwang-2	1	Younggwang	x
	Younggwang-3	1	Younggwang	x
	Younggwang-4	1	Younggwang	x
	Younggwang-5	1	Younggwang	—
	Younggwang-6		Younggwang	
Lithuania	Ignalina NPP	2	Visaginas	x
Mexico	Laguna Verde 1	1	Alto Lucero	x
	Laguna Verde 2	1	Alto Lucero	x
Netherlands	Borssele	1	Borssele	x
	Dodewaard NPP	1	Dodewaard	x
Pakistan	KANUPP	1	Karachi	x
	Chasnupp-1	1	Kundian	—
Philippines	Bataan NPP	1	Morong, Bataan	x
Romania	Cernavoda-1	1	Cernavoda	x
Slovakia	A1	1	Bohunice	x
	EMO-1	2	Mochovce	—
	V-1	2	Bohunice	x
	V-2	2	Bohunice	x
Slovenia	Krško	1	Krško	x
South Africa	Koeberg-1	1	Cape Town	x
	Koeberg-2	1	Cape Town	x
Spain	Almaraz-1	1	Almaraz	x
	Almaraz-2	1	Almaraz	x
	Asco-1	1	Asco	x
	Asco-2	1	Asco	x
	Cofrentes	1	Cofrentes	x
	José Cabrera	1	Almonazid de Zorita	x
	Santa María de Garona	1	Santa María de Garona	x
	Trillo-1	1	Trillo	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Sweden	Vandellos 1	1	Vandellos	—
	Vandellos 2	1	Vandellos	x
	Barsebäck 1	1	Malmö	—
	Barsebäck 2	1	Malmö	—
	Forsmark 1	1	Uppsala	—
	Forsmark 2	1	Uppsala	—
	Forsmark 3	1	Uppsala	—
	Oskarshamn 1	1	Oskarshamn	—
	Oskarshamn 2	1	Oskarshamn	—
	Oskarshamn 3	1	Oskarshamn	—
	Ringhals 1	1	Göteborg	—
	Ringhals 2	1	Göteborg	—
	Ringhals 3	1	Göteborg	—
	Ringhals 4	1	Göteborg	—
Switzerland	KKB Beznau I	1	Beznau	x
	KKB Beznau II	1	Beznau	x
	KKG Gösgen	1	Gösgen-Däniken	x
	KKL Leibstadt	1	Leibstadt	x
	KKM Mühleberg	1	Mühleberg	x
Ukraine	Chernobyl NPP	3	Chernobyl	—
	Khmelnitski 1	1	Neteshin	—
	Rovno 1 and 2	2	Kuznetsovsk	—
	Rovno 3	1	Kuznetsovsk	—
	South Ukraine 1	1	Yuzhnoukrainsk	—
	South Ukraine 2	1	Yuzhnoukrainsk	—
	South Ukraine 3	1	Yuzhnoukrainsk	—
	Zaporozhe 1	1	Energodar	—
	Zaporozhe 2	1	Energodar	—
	Zaporozhe 3	1	Energodar	—
	Zaporozhe 4	1	Energodar	—
	Zaporozhe 5	1	Energodar	—
	Zaporozhe 6	1	Energodar	—
Research reactors and critical assemblies				
Algeria	NUR Reactor	1	Algiers	—
	Es Salam research reactor	1	Ain Oussera	—
Argentina	Argentine reactor-1	1	Constituyentes	x
	Argentine reactor-3	1	Ezeiza	x
	Argentine reactor-4	1	Rosario	x
	Argentine reactor-6	1	Bariloche	x
	Argentine reactor-0	1	Córdoba	x
	Argentine reactor-8	1	Pilcaniyeu	x
Australia	HIFAR	1	Lucas Heights	x
	MOATA	1	Lucas Heights	x
Austria	ASTRA	1	Seibersdorf	—
	Siemens Argonaut Reactor	1	Graz	—
	Triga II	1	Vienna	—
Bangladesh	At. Energy Res. Est.	1	Dhaka	x
Belarus	Sosny	1	Minsk	—
Belgium	BR1-CEN	1	Mol	x
	BR2-CEN-BRO2	2	Mol	x
	CEN-Venus	1	Mol	x
	Thetis	1	Gent	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Brazil	IEA-R1	1	São Paulo	—
	RIEN-1 Argonaut RR	1	Rio de Janeiro	x
	IPR-RI-CDTN	1	Belo Horizonte	x
	IPEN Critical assembly	1	São Paulo	x
Bulgaria	IRT-2000	1	Sofia	x
Canada	Biology, Chemistry, Physics	2	Chalk River	x
	McMaster	1	Hamilton	x
	NRU	1	Chalk River	x
	NRX	1	Chalk River	x
	Slowpoke-Dalhousie Univ.	1	Halifax	x
	Slowpoke-Ecole Polytechnique	1	Montreal	x
	Slowpoke-Kingston	1	Kingston	x
	Slowpoke-Saskatchewan	1	Saskatoon	x
	Slowpoke-Univ. of Alberta	1	Edmonton	x
	DIF	1	Chalk River	—
Chile	La Reina	1	Santiago	x
	Lo Aguirre	1	Santiago	x
China	HTGR	1	Nankou	—
Colombia	IAN-R1	1	Bogotá	x
Czech Republic	LR-O	1	Rez	x
	Univ. Training Reactor VR-1P	1	Prague	x
	VVR-S	1	Rez	x
Democratic People's Republic of Korea	Critical Assembly	1	Bungang-Ri, Nyongbyon	x
	IRT	1	Bungang-Ri, Nyongbyon	x
Democratic Republic of the Congo	Triga II	1	Kinshasa	x
Denmark	DR-1	1	Roskilde	x
	DR-3	1	Roskilde	x
Egypt	RR-I	1	Inshas	x
	MPR	1	Inshas	—
Estonia	Paldiski reactor	1	Paldiski	—
Finland	FIR 1	1	Espoo	—
Germany	BER-2	1	Berlin	x
	FH-Furtwangen	1	Furtwangen	x
	FRM	1	Garching	x
	GKSS-FRG1&FRG2	2	Geesthacht	x
	KFA-FRJ2	1	Jülich	x
	SUR 100	1	Hannover	x
	SUR 100 (FHK)	1	Kiel	x
	SUR 100 (FHU)	1	Ulm	x
	SUR 100 (UNIV)	1	Stuttgart	x
	SUR 100 (TUB)	1	Berlin	x
	SUR 100 (RWTH)	1	Aachen	x
	Tech. Univ. AKR	1	Dresden	x
	Tech. Hochschule ZLR	1	Zittau	x
	Triga	1	Mainz	x
DKFZ-Triga	1	Heidelberg	x	
Ghana	GHARR-1	1	Legon-Accra	x
Greece	GRR-1	1	Attiki	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Hungary	Training reactor	1	Budapest	x
	WWR-S M 10	1	Budapest	x
Indonesia	PPNY	1	Yogyakarta	x
	RSG-GAS	1	Serpong	x
	P3TN	1	Bandung	x
Iran, Islamic Republic of	TRR	1	Tehran	x
	HWZPR	1	Esfahan	x
	MNSR	1	Esfahan	x
Israel	IRR-1	1	Soreq	x
Italy	AGN-201	1	Palermo	x
	RTS-1	1	San Piero a Grado	x
	TAPIRO	1	Santa Maria di Galeria	x
	Triga-RC1	1	Santa Maria di Galeria	x
	Triga-2	1	Pavia	x
Jamaica	Centre for Nucl. Sciences	1	Kingston	x
Japan	DCA	1	Oarai-machi, Ibaraki-ken	x
	FCA	1	Tokai-Mura, Ibaraki-ken	x
	HTR	1	Kawasaki-shi, Kanagawa-ken	x
	HTTR	1	Higashi-gun, Ibaraki-ken	x
	JMTR	1	Higashi-gun, Ibaraki-ken	x
	JMTRCA	1	Higashi-gun, Ibaraki-ken	x
	JRR-2	1	Tokai-Mura, Ibaraki-ken	x
	JRR-3	1	Tokai-Mura, Ibaraki-ken	x
	JRR-4	1	Tokai-Mura, Ibaraki-ken	x
	Kinki University reactor	1	Higashiosaka-shi, Osaka-fu	x
	KUCA	3	Osaka	x
	KUR	1	Sennan-gun, Osaka	x
	Musashi reactor	1	Kawasaki-shi, Kanagawa-ken	x
	NCA	1	Kawasaki-shi	x
	NSRR	1	Tokai-Mura, Ibaraki-ken	x
	Rikkyo University R.R.	1	Nagasaka, Kanagawa-ken	x
	TCA	1	Tokai-Mura, Ibaraki-ken	x
TODAI	1	Tokai-Mura, Ibaraki-ken	x	
TTR	1	Kawasaki-shi, Kanagawa-ken	x	
VHTRC	1	Tokai-Mura, Ibaraki-ken	x	
Kazakhstan	Kurchatov test reactor	3	Semipalatinsk	—
	WWR-K	1	Almaty	—
Korea, Republic of	Kyunghee Univ.	1	Suwoon	x
	Hanaro	1	Taejon	x
Latvia	IRT	1	Riga	x
Libyan Arab Jamahiriya	IRT reactor	1	Tajura	x
Malaysia	Puspati	1	Bangi, Selangor	x
Mexico	Triga Mark III	1	Ocoyoacac	x
Netherlands	HOR	1	Delft	x
	HFR	1	Petten	x
	LFR	1	Petten	x
Norway	HBWR-Halden	1	Halden	x
	JEEP-II	1	Kjeller	x
Pakistan	PARR-1	1	Rawalpindi	x
	PARR-2	1	Rawalpindi	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Peru	RP-0	1	Lima	x
	RP-10	1	Lima	x
Philippines	PRR-1	1	Quezon City, Diliman	x
Poland	Agata and Anna	2	Swierk	x
	Ewa	1	Swierk	x
	Maria	1	Swierk	x
Portugal	RPI	1	Sacavem	x
Romania	Triga II	1	Pitești Colibași	x
	VVR-S	2	Magurele	x
Slovenia	Triga II	1	Ljubljana	x
South Africa	SAFARI-1	1	Pelindaba	x
Sweden	Studsvik RR	2	Studsvik	—
Switzerland	AGN 211P	1	Basel	x
	Crocus	1	Lausanne	x
	Proteus	1	Würenlingen	x
Syrian Arab Republic	MNSR	1	Damascus	x
Thailand	TRR-1	1	Bangkok	x
Turkey	Çekmece Nuclear Research and Training Centre	1	Istanbul	x
	ITU-TRR Triga Mark II	1	Istanbul	x
Ukraine	Kiev RR	1	Kiev	—
	IR-100 RR	1	Sevastopol	—
Uzbekistan	Photon	1	Tashkent	—
	WWR-SM	1	Tashkent	—
Venezuela	RV-I	1	Altos de Pipe	x
Vietnam	Da Lat Research Reactor	1	Da Lat, Lam Dong	x
Yugoslavia, Fed. Rep. of (now Serbia and Montenegro)	RA-RB	2	Vinca	x
Conversion plants, including pilot plants				
Argentina	UF ₆ production facility		Pilcaniyeu	—
	UO ₂ conversion plant		Córdoba	—
Canada	CAMECO		Port Hope	x
Chile	Lab. exper. de conversión		Santiago	x
Japan	JCO		Tokai-Mura, Ibaraki-ken	x
	Ningyo R&D		Tomata-gun, Okayama-ken	x
	PCDF		Tokai-Mura, Ibaraki-ken	x
Mexico	Fuel fabrication pilot plant		Salazar	x
Romania	UO ₂ powder fabrication plant		Feldioara	—
South Africa	Conversion plant		Pelindaba	x
	HEU-UF ₆ production plant		Pelindaba	x
Sweden	Ranstad Mineral		Ranstad	—

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Fuel fabrication plants, including pilot plants				
Algeria	UDEC		Draria Nuclear Site	—
Argentina	Experimental plant		Constituyentes	—
	Fuel fabrication plant		Ezeiza	x
	Fuel fabrication plant		Constituyentes	x
Belgium	BN-MOX		Dessel	x
	FBFC		Dessel	x
	FBFC MOX		Dessel	—
Brazil	Fuel fabrication plant		Resende	x
Canada	CRNL fuel fabrication		Chalk River	x
	Fuel fabrication facility		Chalk River	x
	GEC, Inc.		Toronto	x
	GEC, Inc.		Peterborough	x
	Zircatec		Port Hope	x
Chile	UMF		Santiago	x
Democratic People's Republic of Korea	Nuclear fuel fabrication plant		Nyongbyon	—
Denmark	Metallurgy		Roskilde	x
Egypt	FMPP		Inshas	—
Germany	Adv. Nuclear Fuels		Lingen	x
	Siemens MOX		Hanau	x
India	Ceramic fuel fab. assembly area		Hyderabad	x
	EFFP-NFC		Hyderabad	x
Indonesia	Experimental fuel element installation (IEBE)		Serpong	x
	Research reactor fuel element production installation (IPEBRR)		Serpong	x
Iran, Islamic Rep. of	Fuel fabrication lab.		Esfahan	—
Italy	Fabnuc		Bosco Marengo	x
Japan	JNF		Yokosuka-shi, Kanagawa-ken	x
	MNF		Tokai-Mura, Ibaraki-ken	x
	NFI (Kumatori-1)		Sennan-gun, Osaka	x
	NFI (Kumatori-2)		Sennan-gun, Osaka	x
	NFI Tokai		Tokai-Mura, Ibaraki-ken	x
	PPFF		Tokai-Mura, Ibaraki-ken	x
	PPFF		Tokai-Mura, Ibaraki-ken	x
Kazakhstan	Ulbinski Metallurgical Works		Kamenogorsk	—
Korea, Republic of	CANDU fuel fabrication plant		Taejon	x
	KNFFP		Taejon	x
Romania	Romfuel		Pitești Colibasi	x
South Africa	MTR fuel fabrication		Pelindaba	x
	LEU fuel fabrication		Pelindaba	x
Spain	ENUSA fuel fabrication plant		Juzbado	—
Sweden	ABB		Västerås	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Chemical reprocessing plants, including pilot plants				
Democratic People's Republic of Korea	Radiochemical Laboratory		Bungang-Ri, Nyongbyon	—
Germany	WAK		Eggenstein-Leopoldshafen	x
India	PREFRE		Tarapur	x
Italy	EURE		Saluggia	x
	ITREC-Trisaia	Rotondella		x
Japan	Tokai reprocessing plant		Tokai-Mura, Ibaraki-ken	x
In addition, the following R&D facilities and locations are associated with reprocessing technology:				
<i>Argentina</i>	<i>Lapep</i>		<i>Buenos Aires</i>	—
	<i>Fission products div.</i>		<i>Ezeira</i>	—
<i>Brazil</i>	<i>Reprocessing project</i>		<i>São Paulo</i>	—
<i>Indonesia</i>	<i>RMI</i>		<i>Serpong</i>	—
<i>Japan</i>	<i>SCF</i>		<i>Tokai-Mura, Ibaraki-ken</i>	x
	<i>JAERI Tokai R&D</i>		<i>Tokai-Mura, Ibaraki-ken</i>	x
	<i>JNC Tokai R&D</i>		<i>Tokai-Mura, Ibaraki-ken</i>	x
	<i>Sumitomi Met. Mining</i>		<i>Tokai-Mura, Ibaraki-ken</i>	x
Enrichment plants, including pilot plants				
Argentina	Pilcaniyeu enrichment plant		Pilcaniyeu	—
Brazil	Enrichment laboratory		Ipero	—
	Uranium enrichment pilot plant		São Paulo	—
	Laser spectroscopy lab.		San jose dos Campos	—
China	Shaanxi		Han Zhang	—
Germany	UTA-1		Gronau	x
Japan	Uranium Enrichment Plant		Tomata-gun, Okayama-ken	x
	Rokkasho Enrichment Plant		Kamikita-gun, Aomori-ken	x
Netherlands	URENCO		Almelo	x
United Kingdom	URENCO E22, E23 & A3 plant		Capenhurst	x
In addition, the following R&D facilities and locations are associated with enrichment technology:				
<i>Australia</i>	<i>Silex</i>			
<i>Brazil</i>	<i>UF₆ laboratory</i>		<i>Belo Horizonte</i>	—
<i>Germany</i>	<i>Urenco</i>		<i>Jülich</i>	—
<i>Japan</i>	<i>Asahi Chemical Industry</i>		<i>Hyuga-shi, Miyazaki-ken</i>	x
	<i>Hitachi laboratory</i>		<i>Hitachi-shi, Ibaraki-ken</i>	x
	<i>JAERI Tokai R&D</i>		<i>Tokai-Mura, Ibaraki-ken</i>	x
	<i>NDC U-Lab.</i>		<i>Tokai-Mura, Ibaraki-ken</i>	x
	<i>JNC Tokai R&D</i>		<i>Tokai-Mura, Ibaraki-ken</i>	x
	<i>Toshiba R&D Centre</i>		<i>Kawasaki-shi, Kanagawa-ken</i>	x
	<i>CTF</i>		<i>Kitakami-gun, Amori-ken</i>	x
<i>Netherlands</i>	<i>Urenco</i>		<i>Almelo</i>	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Separate storage facilities				
Argentina	Central store		Ezeiza	x
	Central store		Constituyentes	x
	Nuclear material store		Constituyentes	—
	Storage Bunker		Ezeiza	—
Armenia	Dry Spent Fuel Storage		Metsamor	—
Australia	Vault storage		Lucas Heights	x
Belgium	Belgoprocess		Dessel	x
	Elbel		Beveren	—
	Wet Store		Tihange	—
Brazil	Aramar stores (2 units)		Ipero	—
	UF ₆ production facility		São Paulo	—
Bulgaria	Long term storage		Kozloduy	x
Canada	Nuclear material		Chalk River	x
	Spent fuel canister store		Chalk River	x
	Douglas Point dry storage		Tiverton	x
	Gentilly-1		Gentilly	x
	Spent fuel storage		Chalk River	x
	Spent Fuel Storage		Chalk River Ontario	—
	AECL Research		Pinawa	x
PUFDSF		Pickering	x	
Czech Republic	Storage Škoda		Bolevec	x
	HLW store		Rez	—
	ISFS Dukovany		Dukovany	x
Democratic People's Republic of Korea	Nuclear fuel storage		Bungang-Ri, Nyongbyon	—
Denmark	Risø Store		Roskilde	x
	Risø Waste		Roskilde	—
Finland	TVO-KPA store		Olkiluoto	—
France	Cogéma UP2 and UP3		La Hague	x
Germany	Bundeslager		Wolfgang	—
	Standort Zwischenlager		Lingen	—
	ANF UF ₆ Lager		Lingen	x
	KFA AVR BL		Jülich	—
	KFA AVR		Jülich	x
	BZA-Ahaus		Ahaus	—
	NCS-Lagerhalle		Hanau	—
	Energiewerke Nord GmbH		Lubmin	x
	Energiewerke Nord-ZLN		Lubmin	—
	Transportbehälterlager		Gorleben	—
	TR Halle 87		Rosendorf	—
Kernmateriallager		Rosendorf	—	
Hungary	Central radionuclide store		Budapest	x
	MVDS		Paks	x
India	AFR		Tarapur	x
Indonesia	TC and ISFSF		Serpong	—
Italy	Compes. deposito		Saluggia	x
	Essor nuclear plant		Ispra	—

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
	Essor storage		Ispra	x
	Research centre		Ispra	—
Japan	KUFFS		Kyoto	x
	Fukushima Dai-Ichi SFS		Futaba-gun, Fukushima-ken	x
	JAERI Mutsu		Mutsu-shi, Aomori-ken	x
	RSFS		Kamikita-gun, Aomori-ken	x
Kazakhstan	Ulbinski Thorium Storage		Kamenogorsk	—
Korea, Republic of	DUF 4 Conv.		Taejon	—
Lithuania	Spent Fuel Dry Storage		Visaginas	—
Netherlands	Covra Store		Vlissingen	—
Pakistan	Hawks Bay depot		Karachi	x
Portugal	Inst. de Armazenagem		Sacavem	x
Slovakia	AFRS		Bohunice	x
South Africa	Waste storage		Pelindaba	—
	Bulk storage facility		Pelindaba	x
	HEU storage vault		Pelindaba	x
	Thabana pipe store		Pelindaba	x
	Z Plant		Pelindaba	x
	E building		Valindaba	—
	Koeberg Castor Storage Facility		Cape Town	—
Spain	Trillo		Trillo	—
Sweden	Central long term storage		Oskarshamn	—
Switzerland	Saphir		Wuerenlingen	x
	Zwilag		Wuerenlingen	—
Ukraine	Chernobyl storage		Chernobyl	—
	Zaporoshe SFS		Energodar	—
United Kingdom	Special nuclear material store 9		Sellafield	x
	Thorp Plutonium Store		Sellafield	—
United States of America	Pu storage vault		Hanford, WA	—
	Y-12 plant		Oak Ridge, TN	x
	Vault		Golden, CO	—
	KAMS storage		Savannah River site	—
Other facilities				
Algeria	AURES 1		Ain Oussara	—
Argentina	Alpha facility		Constituyentes	—
	Experimental UO ₂ plant		Cordoba	—
	Enriched uranium lab.		Ezeiza	—
	Fission products div.		Ezeiza	x
	Fuel fabrication plant		Ezeiza	x
	LFR		Buenos Aires	—
	Uranium powder fab. plant		Constituyentes	—
	Triple Altura Lab.		Ezeiza	—
	Special Alloy Fab.		Ezeiza	—
	LAPEP		Buenos Aires	—
Australia	Research Lab.		Lucas Heights	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
Belgium	IRMM-Geel		Geel	x
	CEN-Labo		Mol	x
	CEN-Waste		Dessel	—
	I.R.E.		Fleurus	x
	CEN-lab. Pu		Mol	x
Brazil	Fuel tech. co-ord. unit		São Paulo	x
	Isotope laboratory		São Paulo	—
	Metal. uran. project		São Paulo	—
	Nuclear material lab.		Ipero	—
	Nuclear fuel & instr. dev. lab.		São Paulo	—
	Reconversion project		São Paulo	—
	Reprocessing project		São Paulo	x
	Safeguards store		São Paulo	x
Czech Republic	Nuclear Fuel Inst. (UJP)		Zbraslav	x
	Research Laboratories		Rez	x
Democratic People's Republic of Korea	Subcritical assembly		Pyongyang	x
Estonia	Balti ES		Narva	—
Germany	KFA-heisse Zellen		Jülich	x
	KFK-heisse Zellen		Eggenstein-Leopoldshafen	x
	KFK-IHCH		Eggenstein-Leopoldshafen	x
	Siemens heisse Zellen		Karlstein	x
	KFA Lab.		Jülich	x
	Transuran		Eggenstein-Leopoldshafen	x
	VKT. Tec. ZTR		Rosendorf	x
Hungary	Institute of Isotopes		Budapest	x
Indonesia	RMI		Serpong	x
Iran, Islamic Republic of	LWSCR		Esfahan	x
	GSCR		Esfahan	—
Italy	CNEN-LAB. PU.		Santa Maria di Galeria	x
Japan	JAERI-Oarai R&D		Higashi-gun, Ibaraki-ken	x
	JAERI-Tokai R&D		Tokai-Mura, Ibaraki-ken	x
	Kumatori R&D		Sennan-gun, Osaka	x
	Mitsui Iwakuni-Ohtake		Kuga-gun, Yamaguchi	x
	Mitsui Osaka		Takai-shi, Osaka-fu	x
	NDC Fuel Hot Lab.		Tokai-Mura, Ibaraki-ken	x
	NDC fuel laboratories		Tokai-Mura, Ibaraki-ken	x
	NERL, University of Tokyo		Tokai-Mura, Ibaraki-ken	x
	NFD		Higashi-gun, Ibaraki-ken	x
	NFI Tokai-2		Tokai-Mura, Ibaraki-ken	x
	NRF Neutron Radiation Facility		Tsukuba-shi, Ibaraki-ken	x
	JNC FMF		Higashi-gun, Ibaraki-ken	x
	JNC IRAF		Higashi-gun, Ibaraki-ken	x
	JNC-Oarai R&D		Higashi-gun, Ibaraki-ken	x
	JNC-Tokai R&D		Tokai-Mura, Ibaraki-ken	x
	SCF		Tokai-Mura, Ibaraki-ken	x
	Showa-Kawasaki		Kawasaki-shi, Kanagawa-ken	x
	Sumitomo-Chiba		Sodegaura-shi, Chiba-ken	x
	Uranium Material Laboratory		Higashi-gun, Ibaraki-ken	x
Korea, Republic of	PIEF		Taejon	x
	Acrylonitrile plant		Ulsan	x
	DFDF		Taejon	x
	DUF 4		Taejon	—
	HFFL		Taejon	x

TABLE I. (cont.)

State ^a	Abbreviated name of facility	Number of reactor units	Location	Subsidiary arrangements in force
	IMEF		Taejon	x
	KAERI R&D		Taejon	—
Netherlands	ECN and JRC		Petten	x
Norway	Research laboratories		Kjeller	x
Poland	Institute for Nuclear Chemistry and Engineering		Warsaw	—
	Institute of Nuclear Research		Swierk	x
South Africa	Decommissioned pilot enrichment plant		Pelindaba	x
	Decontamination and waste recovery		Pelindaba	x
	Hot Cell Complex		Pelindaba	x
	NU and DU metals plant		Pelindaba	x
Switzerland	EIR		Würenlingen	x
	CERN		Geneva	x
Turkey	Nuclear fuel pilot plant		Istanbul	x
Ukraine	Chernobyl unit 4 shelter		Chernobyl	—
	Khmelnitski FF Storage		Neteshin	—
	KHFTE		Kharkov	—
	Rovno FF Storage		Kuznetsovsk	—
	South Ukraine Storage		Yuzhnoukrainsk	—
	Zaporozhe FF Storage		Energodar	—
	Sevastopol subcritical assembly		Sevastopol	—
	IR-100 RR		Sevastopol	—
United States of America	B&W NNFD		Lynchburg, VA	—
	BWXT Facility 179		Lynchburg, VA	—
Non-nuclear installations				
Cuba	Storage of equipment		Prov. Havana	—

^a An entry in this column does not imply the expression of any opinion whatsoever on the part of the Agency concerning the legal status of any country or territory or of its authorities, or concerning the delimitation of its frontiers.

Note: The Agency was also applying safeguards in Taiwan, China, at eight power reactors, four research reactors/critical assemblies, one uranium pilot conversion plant, one fuel fabrication plant, one storage facility and one R&D facility.