



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 14, 1994

Mr. Robin DeLaBarre, Acting Director
Office of Export and Import Control
Bureau of Political-Military Affairs
U.S. Department of State
Room 7828
Washington, D.C. 20520

Dear Mr. DeLaBarre:

Attached for your information is a report which lists all export actions completed by the Nuclear Regulatory Commission during the month of March, all new export applications received in March and all cases pending as of March 31, 1994.

In summary, seven export cases were completed; nine new export license applications and amendment requests were received; and, 76 cases were pending as of March 31, 1994.

We understand that most of the pending cases are awaiting receipt by the Executive Branch of foreign government assurances as required by the Atomic Energy Act of 1954, as amended by the Nuclear Non-Proliferation Act of 1978.

Sincerely,

Betty D. Wright /for

Ronald D. Hauber, Director
Division of Nonproliferation, Exports and
Multilateral Relations
Office of International Programs

Enclosure:
As stated

cc w/Enclosure:
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GENERAL PDR

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EXPORT LICENSING ACTIONS FOR MARCH 1994

License	Applicant	Commodity	Quantity	Unit	Country	End-use
Completed Actions						
XCOM1087	Conax Buffalo Corp.	Components	5300	k\$	Finland	TVO 1 & 2
XCOM1088	General Electric	Ultrasonic Weld Inspection System	800	k\$	Spain	ENUSA Fuel Fa
XMAT343/02	Aldrich Chemical	Deuterium	0	kg	Canada	Ext. Exp. Date
XSNM2467/02	Nisaho-Iwai	HEU, 45.90%	0	kg	Japan	Ext. Exp. Date
XSNM2468/02	Nisaho-Iwai	HEU, 45.90%	0	kg	Japan	Ext. Exp. Date
XSNM2779	DOE	HEU, 93.122% & LEU, 19.811% as Metal & Oxide	0.08	kg	IAEA	IAEA Siebersto
XSNM2798	Braunkohle Transport	LEU, 5.0%, "Heels" in cylinders	2000	kg	EURATOM	Return of "heels
Total: 7						
Applications Received						
XMAT343/02	Aldrich Chemical	Deuterium	0	kg	Canada	Ext. Exp. Date
XSNM2736/01	Nisaho-Iwai	LEU, 19.95%, as Fuel Elements	40.125	kg	Japan	Incr. Qt., JMTR
XSNM2800	Mitsui & Co.	LEU, 4.65% & Natural, as UF6	26991	kg	Japan	Hamaoka 4, 2
XSNM2801	General Atomics	LEU, 19.9%, as TRIGA fuel elements	3.94	kg	Italy	ENEA & Pavia L
XSNM2802	Mitsubishi International	LEU, 4.15%, as UF6	15145	kg	Japan	Tomari 1, 9
XSNM2803	Mitsubishi International	LEU, 4.15%, as UF6	12678	kg	Japan	Tomari 2, 7
XSNM2804	Mitsubishi International	LEU, 4.15%, as UF6	35584	kg	Japan	Ohi 3, 8
XSNM2805	Edlow International Co.	LEU, 4.15%, as UF6	3138	kg	Japan	Tomari 1, 9
XSNM2806	Edlow International Co.	LEU, 4.15%, as UF6	3138	kg	Japan	Tomari 2, 7
Total: 8						
Pending						
XCOM1033	DOE	Components, Reprocessing Plant	0	k\$	Japan	PNC Tokai Work
XCOM1034	DOE	Centrifugal Contactors	0	k\$	United Kingdom	UKAEA, Dounre
XCOM1041/D1	Westinghouse	Steam Generator Plugs	0	k\$	HU, PD, FI, RU, CSFR	Nuclear Power P
XCOM1047	Westinghouse	Steam Generator Plugs	20000	EA	HU, USSR	Nuclear Power P
XCOM1080	Carpenter Technology	Zircaloy-4 Channels, Fasteners	1000	EA	Mexico	Laguna Verde 1
XCOM1086	Gamma-Metrics	Neutron Flux Monitor. & Ctrf. Systems	0	k\$	Hungary	Paks 1, 2, 3, 4
XCOM1098	Gamma-Metrics	Neutron Flux Monitor. & Ctrf. Systems	0	k\$	Yugoslavia	Krsko
XCOM1070	Gamma-Metrics	Neutron Flux Monitor. & Ctrf. Systems	0	k\$	USSR	Various
XCOM1085	Westinghouse	Components, Various		k\$	South Africa	Koeberg 1, 2
XCOM1086	Giltach, Inc.	Heavy Water Purification System		k\$	South Korea	Wolsong 3
XMAT363	Penngraph, Inc.	Graphite	950	kg	Brazil	Electrodes
XMAT364	Penngraph, Inc.	Graphite	950	kg	Argentina	Electrodes
XMAT365	Penngraph, Inc.	Graphite	950	kg	Mexico	Electrodes
XMAT367	Penngraph, Inc.	Graphite	35000	kg	Brazil	Electrodes
XMAT369	Penngraph, Inc.	Graphite	35000	kg	Mexico	Electrodes
XMAT370	Penngraph, Inc.	Graphite	35000	kg	Argentina	Electrodes
XMAT371	Penngraph, Inc.	Graphite	950	kg	Singapore	Electrodes
XMAT374	Penngraph, Inc.	Graphite	950	kg	India	Electrodes

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Licenses	Applicant	Commodity	Quantity	Unit	Country	End-use
XMAT375	Penngraph, Inc.	Graphite	950	kg	Indonesia	Electrodes
XMAT378	Penngraph, Inc.	Graphite	950	kg	Australia	Electrodes
XMAT377	Penngraph, Inc.	Graphite	950	kg	Australia	Electrodes
XMAT378	Penngraph, Inc.	Graphite	35000	kg	Singapore	Electrodes
XMAT381	Penngraph, Inc.	Graphite	35000	kg	India	Electrodes
XMAT382	Penngraph, Inc.	Graphite	35000	kg	Indonesia	Electrodes
XMAT383	Penngraph, Inc.	Graphite	35000	kg	Australia	Electrodes
XMAT384	Penngraph, Inc.	Graphite	35000	kg	Australia	Electrodes
XR088/14	Westinghouse	PWR, 810 MWE		kB	Sweden	Add Reactor
XR107/04	Westinghouse	PWR, 1876 MW and Equipment	0	kB	Yugoslavia	Ext. Exp. Date
XR128/04	General Atomics	Research Reactor, TRIGA-Mk II, 3 MW	500	kB	Bangladesh	Ext. Exp. Date
XR154	General Atomics	Research Reactor	1700	kB	Albania	TRIGA Mark I
XR180	Combustion Engineering	PWR, 1300 MWE, 2	800000	kB	CSFR	Unnamed Site
XR181	Combustion Engineering	PWR, 1300 MWE, 2	500000	kB	United Kingdom	Sellafield and
XR182	Combustion Engineering	PWR, 1000 MWE, 2	300000	kB	South Korea	KNU 15, 16
XSNM1087/05	Westinghouse	LEU, 4.50%, as Fuel Assemblies	0	kg	Yugoslavia	Ext. Exp. Date
XSNM1719/01	Westinghouse	LEU, 5.00%, as Fuel Assemblies	188000	kg	Taiwan	Lungmen 1, 2
XSNM2083	General Atomics	LEU, 19.90%	4.5	kg	Turkey	TRIGA Mark II
XSNM2563	Combustion Engineering	LEU, 5.0%, as Powder or Pellets	180000	kg	South Korea	Ulsan 3, 4, In
XSNM2580	Transnuclear, Inc.	HEU, 93.3%, as Metal	89,345	kg	France	HFR Grenoble
XSNM2611	Transnuclear, Inc.	HEU, 93.45% as Metal	9,776	kg	Netherlands	HFR Petten
XSNM2641	Combustion Engineering	LEU, 5.0%, as Fuel Assemblies	218000	kg	CSFR	Unnamed Site
XSNM2642	Combustion Engineering	LEU, 5.0%, Various Forms	180000	kg	South Korea	KNU 15, 16, 1
XSNM2645	General Atomics	LEU, 19.9%, as Fuel Assemblies	20,813	kg	Albania	TRIGA Mark I
XSNM2650/01	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,1071	kg	Sweden	Ringsha 2, 3,
XSNM2651	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,0885	kg	Switzerland	Bernau 1, 2
XSNM2652	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,9488	kg	South Korea	Various
XSNM2653	Gamma-Metrics	HEU, 93.12% (in fission chambers)	1,7595	kg	Japan	Various
XSNM2654	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,153	kg	Taiwan	Maanshan 1,
XSNM2656	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,3825	kg	Bulgaria	Various
XSNM2657	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,1913	kg	Czechoslovakia	Temelin 1, 2
XSNM2658	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,0785	kg	Romania	Cernavoda 1,
XSNM2656	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,0785	kg	Yugoslavia	Krsko
XSNM2660	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0,153	kg	South Africa	Koerberg 1, 2
XSNM2661	Gamma-Metrics	HEU, 93.12% (in fission chambers)	2,9775	kg	USSR	Various
XSNM2702	Transnuclear, Inc.	Urr. Fuel, 3.0%, Pu 4.568	102404	kg	France	Reprocessing
XSNM2738/01	Nissho-hwai	LEU, 19.95%, as Fuel Elements	40,125	kg	Japan	Incr. Qt. JMT
XSNM2753	Siemens Power Corp.	LEU, 5.0%, as UF6	22500	kg	EURATOM, Sweden	LWR Fuel in E
XSNM2763	Siemens Power Corp.	LEU, 5.0%, as UO2	35000	kg	Germany	Return of Scra
XSNM2784	General Atomics	LEU, 19.99%, 1kgFuel&100kgcrap;HEU, 290kgcrap	101.29	kg	United Kingdom	ICI TRIGA & U
XSNM2785	Westinghouse Electric	LEU, 4.5%, as Fuel Assemblies	342000	kg	Czech Republic	Initial Core &
XSNM2786	BAW Fuel Company	LEU, 5%, as Fuel Assemblies	416880	kg	Taiwan	Initial Core &
XSNM2789	Edlow International	LEU, 4.15%, as UF6	8938	kg	Japan	Sendai 2, 11
XSNM2792	Marubeni America Corp.	LEU, 4.95%, as UF6	8973	kg	Japan	Shika 1, 2
XSNM2793	Edlow International	LEU, 4.5%, as UF6	42372	kg	South Korea	Yongkwang 4
XSNM2794	Mitsui & Co.	LEU, 4.95%, & Natural, as UF6	11883	kg	Japan	Onagawa 1, 1
XSNM2795	Mitsui & Co.	LEU, 4.85%, as UF6 & Natural, as UO2	18040	kg	Japan	Fukushima 1, 2
XSNM2796	Mitsui & Co.	LEU, 4.45%, as UF6	38972	kg	Japan	Kashiwazaki

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XSNM2787	Mitsui & Co.	LEU, 4.45%, as UF6	21323	kg	Japan	Kashiwazaki Kar
XSNM2798	Siemens Power Corp.	LEU, 5.0%, UO2 as ceramic pellets/powder	530000	kg	EURATOM	Fuel for LWRs in
XSNM2800	Mitsui & Co.	LEU, 4.85%, & Natural, as UF6	20001	kg	Japan	Hamaoka 4, 2
XSNM2801	General Atomics	LEU, 18.9%, as TRIGA fuel elements	3.94	kg	Italy	ENEA & Pavla U
XSNM2802	Mitsubishi International	LEU, 4.15%, as UF6	15145	kg	Japan	Tomari 1, 9
XSNM2803	Mitsubishi International	LEU, 4.15%, as UF6	12678	kg	Japan	Tomari 2, 7
XSNM2804	Mitsubishi International	LEU, 4.15%, as UF6	35584	kg	Japan	Ohri 3, 8
XSNM2805	Edlow International Co.	LEU, 4.15%, as UF6	3138	kg	Japan	Tomari 1, 9
XSNM2806	Edlow International Co.	LEU, 4.15%, as UF6	3138	kg	Japan	Tomari 2, 7
XBOU8728	General Electric	Natural U as UO2 power and/or pellets	80000	kg	Canada	Additional fabric

Total: 78

	Date Applied	Date Received	Date to Exec. Br.	Date from Exec. Br.	Date Completed	Date Expires	Action	Type
8	01/24/94	02/07/94	02/10/94				Pending	AB
ATOM	02/11/94	02/18/94	02/17/94				Pending	AB
	02/25/94	03/01/94	03/03/94				Pending	AB
BCA Research Res.	02/23/94	03/04/94	03/15/94				Pending	AB
	02/26/94	03/11/94	03/16/94				Pending	AB
	02/28/94	03/11/94	03/16/94				Pending	AB
	03/10/94	03/14/94	03/16/94				Pending	AB
	03/10/94	03/15/94	03/16/94				Pending	AB
	03/10/94	03/15/94	03/16/94				Pending	AB
& return to US	02/04/94	02/14/94	02/17/94				Pending	AB

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