



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

June 10, 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 May, all new export applications received in May and all cases pending as of May 31, 1994.

In summary, 19 export cases were completed; six new export license applications and amendment requests were received; and, 67 cases were pending as of May 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,

A handwritten signature in cursive script that reads "Ronald D. Hauber".

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

Enclosure:
As stated

cc w/Enclosure:
C. Stoiber, OIP
R. Goorevich, DOE
T. Hart, DOE
G. Brubaker, DOD
S. Dhir, DOC
M. Rosenthal, ACDA
J. Keith, EXODUS

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GENERAL PDR

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EXPORT LICENSING ACTIONS FOR MAY 1994

License	Applicant	Commodity	Quantity	Unit	Country	End-Use
Completed Actions						
XCOM1086	Gamma-Metrics	Neutron Flux Monitor & Ctrl. Systems	0	xS	Hungary	Paks
XCOM1068	Gamma-Metrics	Neutron Flux Monitor & Ctrl. Systems	0	xS	Yugoslavia	Krsko
XCOM1070	Gamma-Metrics	Neutron Flux Monitor & Ctrl. Systems	0	xS	USSR	Various
XCOM1086	Giltach, Inc.	Heavy Water Purification System		xS	South Korea	Wolsong
XR107/04	Westinghouse	PWR, 1876 MWT and Equipment	0	kS	Slovenia	Ext. Ex
XSNM1067/05	Westinghouse	LEU, 4.50%, as Fuel Assemblies		kg	Slovenia	Ext. Ex
XSNM11719/01	Westinghouse	LEU, 5.00%, as Fuel Assemblies	188000	kg	Taiwan	Chg. E
XSNM2851	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.06885	kg	Switzerland	Bezna
XSNM2852	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.9486	kg	South Korea	Various
XSNM2853	Gamma-Metrics	HEU, 93.12% (in fission chambers)	1.7595	kg	Japan	Various
XSNM2854	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.153	kg	Taiwan	Maanshan
XSNM2856	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.3825	kg	Bulgaria	Various
XSNM2857	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.1913	kg	Czechoslovakia	Tamela
XSNM2858	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.0785	kg	Romania	Cernavoda
XSNM2859	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.0785	kg	Yugoslavia	Krsko
XSNM2860	Gamma-Metrics	HEU, 93.12% (in fission chambers)	0.153	kg	South Africa	Koerber
XSNM2861	Gamma-Metrics	HEU, 93.12% (in fission chambers)	2.8775	kg	USSR	Various
XSNM2799	Siemens Power Corp.	LEU, 5.0%, UO ₂ as ceramic pellets/powder	530000	kg	EURATOM	Fuel for
XSNM2800	Mitsui & Co.	LEU, 4.85%, & Natural, as UF ₆	26991	kg	Japan	Hamada
Total: 19						
Applications Received						
XCOM1082	Teledyne Wah Chang	Zircaloy-2 Tubeshells	2000	KS	Canada	Teets
XCOM1083	Westinghouse Electric	Instrumentation & Control System Plus Various	0	KS	Ukraine	Nuclear
XSNM2755/01	General Electric	LEU, 4.0% & 110gri Pu, as Irrad. Fuel Rod Seg.	0	KG	Norway	Amend
XSNM2814	DOE	LEU, 19.85%, as Metal or Fab. Test Targets	1	kg	Indonesia	Indonesia
XSNM2815	DOE	Plutonium as Calibration Standards	3	g	Korea	Korea
XBOU8724/02	Nuclear Metals, Inc.	DU (As Metal), Derby & Extruded Rod Form	0	kg	France	Amend
Total: 6						
Pending						
XCOM1033	DOE	Components, Reprocessing Plant	0	kS	Japan	PNC To
XCOM1034	DOE	Centrifugal Contactors	0	kS	United Kingdom	UKAEA
XCOM1041/01	Westinghouse	Steam Generator Plugs	0	kS	HU, PD, FI, RU, CSFR	Nuclear
XCOM1047	Westinghouse	Steam Generator Plugs, 20,000	0	kS	AM, HU, RU, UP	Nuclear
XCOM1080	Carpenter Technology	Zircaloy-4 Channels, Fasteners	1000	EA	Mexico	Laguna
XCOM1085	Westinghouse	Components, Various		kS	South Africa	Koerber
XCOM1089	National Nuclear Corp.	Active Fuel Rod Scanner & Byproduct Sources	1750	KS	Russia	Nondes
XCOM1090	General Electric	Zirconium Alloy Zircaloy-2 Test Coupons(50C)	5	KS	Russia	Neutron
XCOM1091	National Nuclear Corp.	Passive Fuel Rod Scanner, Spare Pts., Byprod	1500	KS	Spain	Nondes

Job	Date Applied	Date Received	Date to Exec. Br.	Date From Exec. Br.	Date Completed	Date Expires	Action	Type
2, 3, 4	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
g 3	11/23/93	11/24/93	11/30/93	04/22/94	05/11/94	05/31/2000	Issued/Prop.	EB
p. Date	07/23/91	07/23/91			05/11/94	06/08/2014	Issued	GE
o. Date	07/23/91	07/23/91	12/18/91	03/18/92	05/11/94	06/08/2014	Issued	EB
Info Lungmen 1 & 2; Incr. Qt. Ext. Exp. U/IC	11/03/93	11/04/93	11/26/93	05/03/94	05/11/94	06/21/2014	Issued	EB
1, 2	06/07/91	06/08/91	09/27/91		05/11/94		RWA	AS
	06/07/91	06/08/91	09/27/91		05/11/94		RWA	AS
	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
en 1, 2	06/07/91	06/08/91	09/27/91		05/11/94		RWA	AS
	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
1, 2	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
ode 1, 2, 3, 4, 5	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
g 1, 2	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
	06/07/91	06/08/91	09/27/91		05/11/94		RWA	EB
LWRs in EURATOM	02/11/94	02/16/94	02/17/94	04/22/94	05/05/94	12/31/95	Issued	AS
ce 4, 2	02/25/94	03/01/94	03/03/94	04/14/94	05/02/94	06/31/95	Issued	AS
Seamless Calandria tubes at AECL	04/25/94	05/04/94	05/11/94				Pending	EB
Power Plants in the Ukraine	05/24/94	05/25/94					Pending/Prop.	EB
to ext. exp. date	05/20/94	05/23/94					Pending	GE
Plan National Atomic Energy Agency	05/02/94	05/08/94	05/18/94				Pending	AS
Atomic Energy Research Institute	05/19/94	05/26/94					Pending	AS
to add extruded rod form	05/17/94	05/20/94					Pending	GE
ical Works	01/22/90	01/24/90	02/02/90				Pending	EB
Downreay	01/22/90	01/24/90	02/02/90				Pending	EB
Power Plants	05/15/90	05/21/90	05/24/90				Pending	EB
Power Plants	10/11/90	10/19/90	10/25/90	05/12/94			Pending	EB
Verde 1, 2	07/18/91	07/23/91	06/07/91				Pending	EB
g 1, 2	11/17/93	11/18/93	11/26/93				Pending/Prop.	EB
structive Inspection of Fuel Rods	04/15/94	04/19/94	05/02/94				Pending	EB
Irrod. R&D at SM-3, MIR, or BORBO	04/15/94	04/20/94	05/02/94				Pending	EB
structive Insp. of Fuel Rods, ENUSA	04/22/94	04/26/94	05/02/94				Pending	EB

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EXPORT LICENSING ACTIONS FOR MAY 1994

License	Applicant	Commodity	Quantity	Unit	Country	End
XCOM1092	Teledyne Wah Chang	Zircaloy-2 Tubesheets	2000	K\$	Canada	Tests
XCOM1093	Westinghouse Electric	Instrumentation & Control System Plus Various	0	K\$	Ukraine	Nucle
XMAT326/05	POCO Graphite	Graphite	0	kg	Various	Ext. E
XMAT363	Penngraph, Inc.	Graphite	950	kg	Brazil	Elect
XMAT364	Penngraph, Inc.	Graphite	950	kg	Argentina	Elect
XMAT365	Penngraph, Inc.	Graphite	950	kg	Mexico	Elect
XMAT367	Penngraph, Inc.	Graphite	35000	kg	Brazil	Elect
XMAT369	Penngraph, Inc.	Graphite	35000	kg	Mexico	Elect
XMAT370	Penngraph, Inc.	Graphite	35000	kg	Argentina	Elect
XMAT371	Penngraph, Inc.	Graphite	950	kg	Singapore	Elect
XMAT374	Penngraph, Inc.	Graphite	950	kg	India	Elect
XMAT375	Penngraph, Inc.	Graphite	950	kg	Indonesia	Elect
XMAT376	Penngraph, Inc.	Graphite	950	kg	Australia	Elect
XMAT377	Penngraph, Inc.	Graphite	950	kg	Australia	Elect
XMAT378	Penngraph, Inc.	Graphite	35000	kg	Singapore	Elect
XMAT381	Penngraph, Inc.	Graphite	35000	kg	India	Elect
XMAT382	Penngraph, Inc.	Graphite	35000	kg	Indonesia	Elect
XMAT383	Penngraph, Inc.	Graphite	35000	kg	Australia	Elect
XMAT384	Penngraph, Inc.	Graphite	35000	kg	Australia	Elect
XR099/14	Westinghouse	PWR, 610 MWE		k\$	Sweden	Add P
XR126/04	General Atomics	Research Reactor, TRIGA-Mk II, 3 MWt	500	k\$	Bangladesh	Ext. E
XR154	General Atomics	Research Reactor	1700	k\$	Albania	TRIGA
XR180	Combustion Engineering	PWR, 1300 MWE, 2	800000	k\$	CSFR	Unnar
XR181	Combustion Engineering	PWR, 1300 MWE, 2	500000	k\$	United Kingdom	Sellaf
XR182	Combustion Engineering	PWR, 1000 MWE, 2	300000	k\$	South Korea	KNU
XSNM2063	General Atomics	LEU, 19.10%	4.5	kg	Turkey	TRIGA
XSNM2563	Combustion Engineering	LEU, 5.0%, as Powder or Pellets	180000	kg	South Korea	Ulchin
XSNM2560	Transnuclear, Inc.	HEU, 93.3%, as Metal	89.345	kg	France	HFR C
XSNM2611	Transnuclear, Inc.	HEU, 93.45% as Metal	9.776	kg	Netherlands	HFR F
XSNM2641	Combustion Engineering	LEU, 5.0%, as Fuel Assemblies	218000	kg	CSFR	Unnar
XSNM2642	Combustion Engineering	LEU, 5.0%, Various Forms	180000	kg	South Korea	KNU
XSNM2645	General Atomics	LEU, 19.1%, as Fuel Assemblies	20.813	kg	Albania	TRIGA
XSNM2950/01	Gamme-Metrix	HEU, 93.12% (in fission chambers)	0.1071	kg	Sweden	Ringh
XSNM2702	Transnuclear, Inc.	Ir Fuel, 3.0%, Pu 4.568	102404	kg	France	Repro
XSNM2736/01	Nisho-keai	LEU, 19.05%, as Fuel Elements	40.125	kg	Japan	Incr. C
XSNM2753	Siemens Power Corp.	LEU, 5.0%, as UF6	22500	kg	EURATOM, Sweden	LWR F
XSNM2755/01	General Electric	LEU, 4.0% & 110gm Pu, as Irad. Fuel Rod Seg	0	KG	Norway	Amer
XSNM2763	Siemens Power Corp.	LEU, 5.0%, as UO2	35000	kg	Germany	Return
XSNM2784	General Atomics	LEU, 19.06%, 1kg Fuel & 100kg scrap; HEU, 290kg scrap	101.29	kg	United Kingdom	KCI TR
XSNM2785	Westinghouse Electric	LEU, 4.5%, as Fuel Assemblies	342.70	kg	Czech Republic	Initial
XSNM2788	B&W Fuel Company	LEU, 5%, as Fuel Assemblies	416880	kg	Taiwan	Initial
XSNM2801	General Atomics	LEU, 19.0%, as TRIGA fuel elements	3.94	kg	Italy	ENE
XSNM2802	Mitsubishi International	LEU, 4.15%, as UF6	15145	kg	Japan	Tomar
XSNM2803	Mitsubishi International	LEU, 4.15%, as UF6	12978	kg	Japan	Tomar
XSNM2804	Mitsubishi International	LEU, 4.15%, as UF6	35564	kg	Japan	Ohi 3,
XSNM2805	Edlow International	LEU, 4.15%, as UF6	3138	kg	Japan	Tomar
XSNM2806	Edlow International	LEU, 4.15%, as UF6	3138	kg	Japan	Tomar

	Date Applied	Date Received	Date to Exec. Br.	Date from Exec. Br.	Date Completed	Date Expires	Action	Type
miss Calendra tubes at AECL	04/25/94	05/04/94	05/11/94				Pending	EB
er Plants in the Ukraine	05/24/94	05/25/94					Pending/Prop.	EB
	04/13/94	04/18/94	05/02/94				Pending	EB
	06/13/91	06/19/91	06/27/91				Pending	EB
	06/13/91	06/19/91	06/27/91				Pending	EB
	06/13/91	06/19/91	06/27/91				Pending	EB
	06/13/91	06/19/91	06/27/91				Pending	EB
	06/13/91	06/19/91	06/27/91				Pending	EB
	06/13/91	06/19/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
	06/19/91	06/20/91	06/27/91				Pending	EB
Vessel Head	11/18/93	11/17/93	11/29/93				Pending/Prop.	EB
6, Incr. \$ Auth. Re-export	04/09/92	04/21/92	04/27/92				Pending	EB
	10/09/90	10/10/90	10/12/90				Pending	EB
es 1300 MWE	06/02/91	06/05/91	06/07/91				Pending	EB
Chapelcross 1300 MWE	06/02/91	06/05/91	06/07/91				Pending	EB
	06/02/91	06/05/91	06/07/91				Pending	EB
	07/29/93	07/29/93	08/04/93				Pending	EB
Initial Cores	06/31/90	09/05/90	09/12/90				Pending	EB
	12/19/90	01/02/91	01/10/91				Pending	EB
	05/07/91	05/10/91	05/21/91				Pending	EB
ts (2), Initial Cores	06/02/91	06/05/91	06/07/91				Pending	EB
Initial Cores	06/02/91	06/05/91	06/07/91				Pending	EB
Initial Core	06/06/91	06/08/91	06/03/91				Pending	EB
4	06/07/91	06/08/91	06/27/91				Pending	AS
of Irradiated Fuel Rods	07/21/92	07/21/92	06/05/92				Pending	EB
R, Canal Res. Etab.	03/18/94	03/21/94	03/22/94				Pending	AS
URATOM and Sweden	06/04/93	06/04/93	06/06/93				Pending	AS
exp. date	05/20/94	05/23/94					Pending	GE
id	07/23/93	07/26/93	07/30/93				Pending	EB
IKAEA & Scrap	11/22/93	11/26/93	11/30/93				Pending	AS
4 Reloads Temelin 1 & 2	12/01/93	12/03/93	12/21/93	03/23/94			Pending	EB
3 Reloads Lungmen 1 & 2	11/23/93	12/03/93	12/17/93				Pending	EB
Univ. TRIGA Research Res.	02/23/94	03/04/94	03/15/94				Pending	AS
	02/26/94	03/11/94	03/16/94				Pending	AS
	02/26/94	03/11/94	03/16/94				Pending	AS
	03/10/94	03/14/94	03/16/94				Pending	AS
	03/10/94	03/15/94	03/16/94				Pending	AS
	03/10/94	03/15/94	03/16/94				Pending	AS

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EXPORT LICENSING ACTIONS FOR MAY 1994

<i>License</i>	<i>Applicant</i>	<i>Commodity</i>	<i>Quantity</i>	<i>Unit</i>	<i>Country</i>	<i>End</i>
XSNM2807	Mitsui & Co.	LEU, 4.95%, as UF6	14701	kg	Japan	Fuku
XSNM2808	Siemens Power Corp.	LEU, 5%, as Contaminated filters & materials	15	kg	Germany	Return
XSNM2809	Mitsui & Co.	LEU, 4.95%, as UF6	8086	kg	Japan	Fuku
XSNM2810	Mitsubishi International	LEU, 4.15%, as UF6	9722	kg	Japan	Genko
XSNM2811	Edlow International	LEU, 4.15%, as UF6	4701	kg	Japan	Genko
XSNM2812	Mitsui & Co.	LEU, 4.95%, as UF6	5408	kg	Japan	Hama
XSNM2813	Mitsubishi International	LEU, 4.15%, As UF6	93581	kg	Japan	Genko
XSNM2814	DOE	LEU, 19.95%, as Metal or Fab. Test Targets	1	kg	Indonesia	Indon
XSNM2815	DOE	Plutonium as Calibration Standards	3	g	Korea	Korea
XSOUB72402	Nuclear Metals, Inc.	DU (As Metal), Derby & Extruded Rod Form	0	kg	France	Amen
XSOUB728	General Electric	Natural U as UO2 power and/or pellets	60000	kg	Canada	Addi

Total: 87

Use	Date Applied	Date Received	Date to Exec. Br.	Date from Exec. Br.	Date Completed	Date Expires	Action	Type
Time 1-3, 18	03/30/94	04/01/94	04/04/94				Pending	AS
of contaminated items to ANF, GmbH	03/28/94	04/07/94	04/13/94				Pending	AS
Time 1-5, 14	04/06/94	04/11/94	04/13/94				Pending	AS
1, 20	04/06/94	04/12/94	04/13/94				Pending	AS
1, 20	04/14/94	04/18/94	04/27/94				Pending	AS
aka 2, 14	04/15/94	04/18/94	04/28/94				Pending	AS
4, Initial Core, Reg. 1-3	04/18/94	04/25/94	05/02/94				Pending	AS
Asian National Atomic Energy Agency	05/02/94	05/06/94	05/18/94				Pending	EB
Atomic Energy Research Institute	05/18/94	05/26/94					Pending	AS
to add extruded rod form	05/17/94	05/20/94					Pending	GE
nal fabrication & return to US	02/04/94	02/14/94	02/17/94				Pending	AS

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