



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

November 26, 1999

Mr. Robin DeLaBarre  
Non-Proliferation/Nuclear Energy Affairs  
U.S. Department of State  
Washington, DC 20520

Enclosed for your information are reports which list all Nuclear Regulatory Commission export and import cases which were completed, received, or pending during the month of October 1999. In summary 9 cases were completed, 7 new licenses applications were received, and 54 cases were pending as of October 31, 1999.

We understand that most of the pending cases listed in the report 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 black ink, appearing to read "Ronald D. Hauber".

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

Enclosure: October 1999 Reports

cc w/enclosure: J. Dunn Lee, NRC/OIP  
M. Krupa, DOE  
C. Riendeau, DOE  
W. Witter, DOD  
J. Chuchla, DOC  
T. Madigan, USCS  
F. Edgecombe, USCS

PDR. XPORT.

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### NRC Export Licensing Actions Completed 10/01/99 to 10/31/99

<u>License Number</u>	<u>Applicant/ Licensee</u>	<u>Commodity</u>	<u>Quantity</u>	<u>Unit</u>	<u>Country</u>	<u>End Use</u>	<u>Date Applied</u>	<u>Date Received</u>	<u>Date to Exec Br</u>	<u>Date From Exec Br</u>	<u>Date Completed</u>	<u>Expiration Date</u>	<u>Action</u>	<u>License Type</u>
XB001298	Edlow International	Tritium, in bulk form	0.12	µCi	Ukraine	Calibration of liquid scintillation analyzer	9/28/1999	9/29/1999	10/6/1999		10/25/1999	12/31/2001	Issued	GE
XMAT398	Cambridge Isotope Laboratories	Deuterium Oxide (heavy water)	15,000.00	kg	Canada	Upgrading for reuse	8/30/1999	8/31/1999	9/3/1999		10/14/1999	9/30/2001	Issued	GE
XSNM3081	Edlow International	LEU, 4.15%, as UF6	6,273.00	kg	Japan	Ikata 3	5/14/1999	5/14/1999	5/28/1999	10/5/1999	10/5/1999	10/31/2000	Issued	AS
XSNM3082	Edlow International	LEU, 4.15%, as UF6	6,330.00	kg	Japan	Tomari 1	5/14/1999	5/14/1999	5/28/1999	10/5/1999	10/5/1999	10/31/2000	Issued	AS
XSNM3083	Edlow International	LEU, 4.15%, as UF6	6,648.00	kg	Japan	Tomari 2	5/14/1999	5/14/1999	5/28/1999	10/5/1999	10/5/1999	10/31/2000	Issued	AS
XSNM3084	Energy USA, Inc.	LEU, 4.95%, as UO2	7,454.00	kg	Japan	Kashiwazaki-Kariwa 6&7	5/14/1999	5/24/1999	5/28/1999	10/5/1999	10/5/1999	12/31/2000	Issued	AS
XSNM3085	Edlow International	LEU, 4.15%, as UF6	11,002.00	kg	Japan	Ikata 1	5/26/1999	5/27/1999	5/28/1999	10/5/1999	10/5/1999	10/31/2000	Issued	AS
XSNM3086	Edlow International	LEU, 4.15%, as UF6	4,782.00	kg	Japan	Ikata 3	5/26/1999	5/27/1999	5/28/1999	10/5/1999	10/5/1999	10/31/2000	Issued	AS
XSOU8767	DOE, HQ	Natural U	135,000.00	mt	Russia	Sale, storage, or blending w/HEU	6/4/1999	6/22/1999	7/1/1999	9/17/1999	10/29/1999	12/31/2013	Issued	EB

## NRC Export License Applications Received 10/01/99 to 10/31/99

<u>License Number</u>	<u>Applicant/ Licensee</u>	<u>Commodity</u>	<u>Quantity</u>	<u>Unit</u>	<u>Country</u>	<u>End Use</u>	<u>Date Applied</u>	<u>Date Received</u>	<u>Date to Exec Br</u>	<u>Date From Exec Br</u>	<u>Date Completed</u>	<u>Expiration Date</u>	<u>Action</u>	<u>License Type</u>
XMAT399	DOE, Savannah River	Deuterium Oxide (heavy water)	41,000.00	kgs	Canada	Upgrading for reuse at NIST	9/23/1999	10/7/1999	10/14/1999				Pending	GE
XSNM3059/01	DOE, New Brunswick Lab	HEU, 93.122%, as solid metal, CRM	21.70	g	UK	Calibration of analytical instruments	10/13/1999	10/19/1999					Pending	AS
XSNM3110	DOE, Chicago	LEU, 19.5%, as encapsulated targets	25.00	kg	South Korea	Hanaro Reactor. Targets for RERTR program	10/1/1999	10/13/1999	10/22/1999				Pending	AS
XSNM3111	DOE, Chicago	LEU, 19.95%, as encapsulated targets	1.00	kg	Argentina	CNEA. Targets for RERTR program	10/1/1999	10/13/1999	10/25/1999				Pending	AS
XSNM3112	Edlow International	LEU, 5.0%, and Natural U, as-UF6	120,000.00	kg	South Korea	Kori 1-4 and Yonggwang 1-4	10/20/1999	10/21/1999					Pending	AS
XSNM3113	Edlow International	LEU, 9.938%, as UF6	33.50	kg	Australia	SILEX Experimentation	10/21/1999	10/25/1999	10/29/1999				Pending	EB
XSOU8772	Sogem USA	Natural U and Thorium	1,400.00	kg	Germany, Thailand	Recovery of tantalum and columbium minerals for non-nuclear end use	9/30/1999	10/1/1999	10/12/1999				Pending	EB

## NRC Export Licensing Actions Pending as of 10/31/99

<u>License Number</u>	<u>Applicant/ Licensee</u>	<u>Commodity</u>	<u>Quantity</u>	<u>Unit</u>	<u>Country</u>	<u>End Use</u>	<u>Date Applied</u>	<u>Date Received</u>	<u>Date to Exec Br</u>	<u>Date From Exec Br</u>	<u>Date Completed</u>	<u>Expiration Date</u>	<u>Action</u>	<u>License Type</u>
IW007	GTS Duratek	Contaminated condenser tubing, Class A waste	612,356.00	kg	Taiwan	Decontaminate, recycle, dispose of contaminants	4/15/1998	4/21/1998	4/30/1998	5/20/1998			Pending	EB
IW008	Starmet CMI	DU, various forms	80,000.00	kg	UK	Processing and re-manufacture into shielding material	8/30/1999	9/1/1999	10/7/1999				Pending	EB
IW009	Siemens Power Corporation	Class A waste, combustible material contaminated with LEU	1,200.00	kg	Germany	Incinerate, recover uranium; dispose of residue	9/23/1999	9/29/1999					Pending	EB
XCOM1073/01	ABB Combustion Engineering	Equipment, Fuel Fabrication	0.00	k\$	South Korea	Change Co. name to ABB Combustion Engineering, update consignee info and ext exp date to 12/31/10	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XCOM1085	Westinghouse	Components, Various	0.00	k\$	South Africa	Koeberg 1, 2	11/17/1993	11/18/1993	11/26/1993				Pending	EB
XCOM1094/02	Westinghouse	Instrumentation & Control System	0.00	k\$	Russia	Amend to add add'l equipment & services	8/3/1994	8/4/1994	8/4/1994				Pending	EB
XCOM1100/01	ABB Combustion Engineering	Inconel-690 plugs & sleeves, 2,000 pieces	0.00	k\$	Slovenia	Change Co. name to ABB Combustion Engineering and ext exp date to 12/31/10	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XCOM1102/02	Westinghouse	Reactor components, App. A, items 5-9	0.00	\$	Brazil	Components for nuclear power reactors in Brazil	10/16/1996	10/21/1996	10/29/1996				Pending	EB
XCOM1110	General Electric	Components in Appendix A (5) thru (9)	25,000.00	k\$	Mexico	Qualification, models, mfg.	3/12/1998	3/13/1998	3/26/1998				Pending	EB
XCOM1113/02	Westinghouse	Components in Appendix A (5) thru (9)	0.00	k\$	Hungary	PAKS	5/22/1998	5/26/1998	5/27/1998				Pending	EB
XCOM1123	General Atomics	Log & Linear Current Channel Circuit Cards	50.00	k\$	Argentina	Embalse Rio III	12/7/1998	12/9/1998	12/14/1998				Pending	EB
XCOM1125	Wah Chang	Zircaloy trex tubes	83.60	k\$	China	R&D at new tube facility	2/25/1999	3/9/1999	3/15/1999	10/29/1999			Pending	EB
XCOM1128	DOE, HQ	Equipment for fuel fabrication and plutonium handling	1,000.00	k\$	Russia	Disposition of surplus weapons plutonium	5/4/1999	5/24/1999	5/28/1999				Pending	EB

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XCOM1130	Wah Chang	Zircaloy 4 trex tubing	3,375.00	k\$	China	Qinshan 1, 2, 3 & Daya Bay 1	7/28/1999	8/10/1999	8/18/1999	10/29/1999			Pending	EB
XCOM1131	Siemens Power Corporation	Inconel springs, 1340 pieces plus spares	3.50	k\$	Brazil	Angra 1- Fabrication of fuel elements	8/10/1999	8/17/1999	9/3/1999				Pending	EB
XCOM1132	General Atomics	Reactor components in Appendix A (5) thru (9)	200.00	k\$	Thailand	TRIGA Mark III	9/22/1999	9/29/1999	10/5/1999				Pending	AS
XMAT399	DOE, Savannah River	Deuterium Oxide (heavy water)	41,000.00	kgs	Canada	Upgrading for reuse at NIST	9/23/1999	10/7/1999	10/14/1999				Pending	GE
XR137/03	ABB Combustion Engineering	PWR, 1350 MWE, 2	0.00	k\$	Taiwan	Change Co. name to ABB Combustion Engineering	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XR150/02	ABB Combustion Engineering	PWR, 950 MWE, 2	0.00	k\$	South Korea	Change Co. name to ABB Combustion Engineering, update consignee info and ext exp date to 3/18/14	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XR153/01	ABB Combustion Engineering	PWR, 950 MWE, 2	0.00	k\$	South Korea	Change Co. name to ABB Combustion Engineering and update consignee info	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XR162/01	ABB Combustion Engineering	PWR, 1000 MWE, 2	0.00	k\$	South Korea	Change Co. name to ABB Combustion Engineering and update consignee info	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XR163/01	ABB Combustion Engineering	PWR, 1000 MWE, 2	0.00	k\$	South Korea	Change Co. name to ABB Combustion Engineering and update consignee info	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XSNM1753/02	ABB Combustion Engineering	LEU, 5.0%, & Natural U, as fuel assemblies	0.00	kg	Taiwan	Change Co. name to ABB Combustion Engineering	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XSNM2258/02	ABB Combustion Engineering	LEU, 5.0%, & Natural U as fuel assemblies	0.00	kg	South Korea	Change Co. name to ABB Combustion Engineering; update consignee info and ext exp date to 3/18/14	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XSNM2580	Transnuclear	HEU, 93.3%, as Metal	69.35	kg	France	HFR Grenoble	12/19/1990	1/2/1991	1/10/1991				Pending	EB
XSNM2611	Transnuclear	HEU, 93.45%, as Metal	9.78	kg	Netherlands	HFR Petten	5/7/1991	5/10/1991	5/21/1991				Pending	EB
XSNM2642/01	ABB Combustion Engineering	LEU, 5.0%, & Natural U, in various forms	0.00	kg	South Korea	Change Co. name to ABB Combustion Engineering and update consignee info	6/14/1999	6/18/1999	6/28/1999				Pending	GE

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XSNM2905/01	ABB Combustion Engineering	LEU, 5.0%, and Natural U in various forms	0.00	kg	Sweden	Change Co. name to ABB Combustion Engineering and ext exp date to 12/31/15	6/14/1999	6/18/1999	6/28/1999				Pending	AS
XSNM3002/01	ABB Combustion Engineering	LEU, 5.0%, and Natural U, in various forms	0.00	kg	South Korea	Change Co. name to ABB Combustion Engineering; update consignee info; and ext exp date to 3/18/14	6/14/1999	6/18/1999	6/28/1999				Pending	GE
XSNM3059/01	DOE, New Brunswick Lab	HEU, 93.122%, as solid metal, CRM	21.70	g	UK	Calibration of analytical instruments	10/13/1999	10/19/1999					Pending	AS
XSNM3066/01	General Electric	LEU, 5.00%, Natural U, in various forms	256,240.00	kg	Mexico	Amend to auth shipment of Canadian origin material	1/12/1999	1/13/1999	1/14/1999				Pending	EB
XSNM3088	Energy USA, Inc.	LEU, 4.95%, as UO2	29,904.00	kg	Japan	Fukushima II, 3&4 and Kashiwazaki Kariwa 1-5	6/10/1999	6/14/1999	6/16/1999				Pending	AS
XSNM3094	Mitsui & Co.	LEU, 4.95%, as UO2	12,752.00	kg	Japan	Fukushima I, 2-5	7/2/1999	7/7/1999	7/23/1999				Pending	AS
XSNM3095	Mitsui & Co.	LEU, 4.65%, as UO2	16,666.00	kg	Japan	Hamaoka 4	7/2/1999	7/7/1999	7/23/1999				Pending	AS
XSNM3097	Westinghouse	LEU, 5.0%, as fuel assemblies	239,000.00	kg	South Africa	Koeberg 1&2	7/28/1999	7/29/1999	8/3/1999				Pending	EB
XSNM3098	Mitsubishi International	LEU, 4.15%, as UF6	3,035.00	kg	Japan	Tsuruga 2	7/30/1999	8/2/1999	8/4/1999				Pending	AS
XSNM3099	Nissho Iwai	LEU, 19.25%, as fuel elements	51.39	kg	Japan	JMTR	8/16/1999	8/17/1999	8/19/1999				Pending	AS
XSNM3101	Transnuclear	LEU, 5.0%, as UF6	5,000.00	kg	EURATOM	Heels in cylinders	8/27/1999	9/8/1999	9/16/1999	10/15/1999			Pending	AS
XSNM3102	Mitsubishi International	LEU, 4.15%, as UF6	33,912.00	kg	Japan	Genkai 1, 2, & 3	9/7/1999	9/8/1999	9/16/1999				Pending	AS
XSNM3103	Westinghouse	LEU, 5.0%, as UO2	20.00	kg	Canada	Resource recovery of zirconium scrap, incidental radioactive material	9/7/1999	9/8/1999					Pending	EB
XSNM3104	Westinghouse	LEU, 19.6%, as UO2 pellets	245.00	g	Norway	Halden, Irradiation tests	9/6/1999	9/8/1999	9/16/1999				Pending	AS
XSNM3105	Mitsui & Co.	LEU, 4.95%, as UO2	19,813.00	kg	Japan	Hamaoka 2	9/7/1999	9/10/1999	9/16/1999				Pending	AS

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XSNM3106	Mitsui & Co.	LEU, 4.95%, and Natural U, as UO2	9,382.00	kg	Japan	Tsuruga 1	9/7/1999	9/10/1999	9/16/1999				Pending	AS
XSNM3107	Mitsui & Co.	LEU, 4.95%, and Natural U, as UO2	9,337.00	kg	Japan	Fukushima II, 3&4 and Kashiwazaki Kariwa 1-5	9/16/1999	9/20/1999	9/23/1999				Pending	AS
XSNM3108	Edlow International	LEU, 4.15%, as UF6	8,671.00	kg	Japan	Genkai 1-3	9/22/1999	9/23/1999	9/24/1999				Pending	AS
XSNM3109	Transnuclear	LEU, 4.75%, as UF6	18,914.00	kg	Spain	Confrontes-1 BWR	9/29/1999	9/30/1999	10/6/1999				Pending	
XSNM3110	DOE, Chicago	LEU, 19.5%, as encapsulated targets	25.00	kg	South Korea	Hanaro Reactor. Targets for RERTR program	10/1/1999	10/13/1999	10/22/1999				Pending	AS
XSNM3111	DOE, Chicago	LEU, 19.95%, as encapsulated targets	1.00	kg	Argentina	CNEA. Targets for RERTR program	10/1/1999	10/13/1999	10/25/1999				Pending	AS
XSNM3112	Edlow International	LEU, 5.0%, and Natural U, as UF6	120,000.00	kg	South Korea	Kori 1-4 and Yonggwang 1-4	10/20/1999	10/21/1999					Pending	AS
XSNM3113	Edlow International	LEU, 9.938%, as UF6	33.50	kg	Australia	SILEX Experimentation	10/21/1999	10/25/1999	10/29/1999				Pending	EB
XSOU8727/03	ABB Combustion Engineering	Depleted U as UO2 pellets	0.00	kg	Sweden	Change Co. name to ABB Combustion Engineering and ext exp date to 12/31/05	6/14/1999	6/18/1999	6/28/1999				Pending	AS
XSOU8758/01	Integral Solids & Solutions	Natural U & Thorium in Calcium Aluminate slag	163,000.00	kg	Mexico	Steelmaking additive (non-nuclear end use)	8/25/1998	8/26/1998	8/27/1998				Pending	EB
XSOU8771	Transnuclear	Natural U	6,000,000.00	kg	EURATOM	Fuel for EURATOM nuclear power reactors	8/27/1999	9/8/1999	9/16/1999				Pending	AS
XSOU8772	Sogem USA	Natural U and Thorium	1,400.00	kg	Germany, Thailand	Recovery of tantalum and columbium minerals for non-nuclear end use	9/30/1999	10/1/1999	10/12/1999				Pending	EB