

December 1, 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 November 1999. In summary 12 cases were completed, 18 new licenses applications were received, and 62 cases were pending as of November 30, 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,

*Original Signed by
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
S. Clagett, DOC
T. Madigan, USCS
F. Edgecombe, USCS

bcc w/encl:
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Mkaznova, NAC/NMMSS

| | | | |
|---------|----------|------------------------------|-----------------------|
| OFFICE: | OIP | OIP | |
| NAME: | CACoates | <i>B. Wright</i> BLWright | <i>RD</i> RDHauber |
| DATE: | 12/01/99 | 12/01/99 | 12/ /99 |

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PDR EXPORT **NRC FILE CENTER COPY**
GENERAL

NRC Export Licensing Actions Completed 11/01/99 to 11/30/99

| <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> |
|-----------------------|--------------------------------|---|-----------------|-------------|-------------------|---|-------------------------|--------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------------|-------------------------|
| XCOM1102/02 | Westinghouse | Reactor components, Appendix A, items (5) thru (9) & fuel fabrication equipment | 0.00 | k\$ | Brazil | Angra 1 & INB | 10/16/1996 | 10/21/1996 | 10/29/1996 | 11/4/1999 | 11/10/1999 | 12/31/2020 | Issued | 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 | 11/19/1999 | 5/31/2000 | Issued | EB |
| XCOM1130 | Wah Chang | Zircaloy 4 trex tubing | 3,375.00 | k\$ | China | Qinshan & Daya Bay | 7/28/1999 | 8/10/1999 | 8/18/1999 | 10/29/1999 | 11/19/1999 | 10/31/2002 | Issued | 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 | 11/24/1999 | 11/29/1999 | 12/31/2004 | Issued | EB |
| 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 | | 11/22/1999 | 5/31/2002 | Issued | GE |
| XSNM3098 | Mitsubishi International | LEU, 4.15%, as UF6 | 3,035.00 | kg | Japan | Tsuruga 2 | 7/30/1999 | 8/2/1999 | 8/4/1999 | 11/18/1999 | 11/18/1999 | 11/30/2001 | Issued | 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 | | | 11/30/1999 | | Withdrawn | 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 | 11/29/1999 | 11/29/1999 | 12/31/2000 | Issued | 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 | | 11/12/1999 | | Withdrawn | 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 | 11/29/1999 | 11/30/1999 | 6/30/2002 | Issued | AS |
| XSOU8771 | Transnuclear | Natural U, Depleted U and Thorium | 6,000,000.00 | kg | EURATOM | Enrichment for use as reactor fuel | 8/27/1999 | 9/8/1999 | 9/16/1999 | 10/22/1999 | 11/10/1999 | | Withdrawn | 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 | 11/22/1999 | 11/24/1999 | 12/31/2004 | Issued | EB |

NRC Export License Applications Received 11/01/99 to 11/30/99

| <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> |
|-----------------------|--------------------------------------|---|-----------------|-------------|-----------------------------|--|-------------------------|--------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------------|-------------------------|
| XCOM1133 | Global Nuclear Fuel-Americas, L.L.C. | Reactor Components in Appendix A (5) thru (9) | 6,000.00 | k\$ | Various 110.26(a) countries | Components for testing, qualification, models, training & manufacture | 11/2/1999 | 11/3/1999 | 11/10/1999 | | | | Pending | EB |
| XSNM2673/03 | Global Nuclear Fuel-Americas, L.L.C. | LEU, 4.00%, and Natural U, as heels | 0.00 | kg | EURATOM | Change licensee name from GE to Global Nuclear Fuel-Americas, L.L.C., and ext exp date to 12/31/02 | 11/11/1999 | 11/15/1999 | | | | | Pending | GE |
| XSNM2948/01 | Global Nuclear Fuel-Americas, L.L.C. | LEU, 5.0% and Natural U, in various forms | 170,000.00 | kg | Spain | Change licensee name from GE to Global Nuclear Fuel-Americas, L.L.C., and update intermediate consignee info | 11/11/1999 | 11/15/1999 | | | | | Pending | AS |
| XSNM3114 | Mitsui & Co. | LEU, 4.95% and Natural U, as UO2 | 3,957.00 | kg | Japan | Fukushima I, 6 and Fukushima II 1&2 | 10/27/1999 | 11/1/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3115 | Mitsui & Co. | LEU, 4.95%, as UO2 | 23,192.00 | kg | Japan | Fukushima II 3&4 and Kashiwazaki-Kariwa 1-5 | 11/1/1999 | 11/2/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3116 | Energy USA, Inc. | LEU, 4.95%, as UO2 | 9,526.00 | kg | Japan | Shimane 2 | 10/29/1999 | 11/2/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3117 | Energy USA, Inc. | LEU, 4.95%, as UO2 | 22,537.00 | kg | Japan | Fukushima II, 3&4 and Kashiwazaki-Kariwa 1-5 | 11/2/1999 | 11/5/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3118 | Energy USA, Inc. | LEU, 3.95%, as UO2 | 8,536.00 | kg | Japan | Fukushima I, 6 and Fukushima II 1&2 | 11/2/1999 | 11/5/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3119 | Siemens Power Corp. | LEU, 4.15%, as UO2 powder | 56,848.00 | kg | Japan | Mihama 2, Takanhama 2, and Ohi 2&4 | 11/3/1999 | 11/9/1999 | 11/12/1999 | | | | Pending | AS |
| XSNM3120 | Mitsui & Co. | LEU, 4.45%, as UO2 | 13,238.00 | kg | Japan | Fukushima II, 3&4 and Kashiwazaki-Kariwa 1-5 | 11/15/1999 | 11/17/1999 | 11/18/1999 | | | | Pending | AS |
| XSNM3121 | Mitsui & Co. | LEU, 3.95%, as UO2 | 5,902.00 | kg | Japan | Fukushima I, 2-5 | 11/15/1999 | 11/17/1999 | 11/18/1999 | | | | Pending | AS |
| XSNM3122 | Mitsui & Co. | LEU, 4.95%, and Natural U, as UO2 | 25,073.00 | kg | Japan | Fukushima II, 3&4 and Kashiwazaki-Kariwa 1-5 | 11/15/1999 | 11/17/1999 | 11/18/1999 | | | | Pending | AS |
| XSNM3123 | Mitsui & Co. | LEU, 4.95%, and Natural U, as UO2 | 83,178.00 | kg | Japan | Onagawa 3, Initial core | 11/18/1999 | 11/22/1999 | 11/30/1999 | | | | Pending | EB |

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|-----------------------|--|--|-----------------|-------------|----------------|--|-------------------------|--------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------------|-------------------------|
| XSNM3124 | Mitsubishi International | LEU, 3.85%, as UF6 | 6,757.00 | kg | Japan | Mihama 1 | 11/22/1999 | 11/23/1999 | 11/30/1999 | | | | Pending | AS |
| XSNM3125 | Mitsubishi International | LEU, 4.15%, as UF6 | 20,741.00 | kg | Japan | Takahama 3 | 11/22/1999 | 11/23/1999 | 11/30/1999 | | | | Pending | AS |
| XSNM3126 | Mitsubishi International | LEU, 4.15%, as UF6 | 12,540.00 | kg | Japan | Ohi 2 | 11/22/1999 | 11/23/1999 | 11/30/1999 | | | | Pending | AS |
| XSOU8728/01 | Global Nuclear Fuel-Americas, L.L.C. | Natural U, as UO2 powder and/or pellets | 0.00 | kg | Canada | Change licensee name from GE to Global Nuclear Fuel-Americas, L.L.C. | 11/11/1999 | 11/15/1999 | | | | | Pending | GE |
| XW003 | Westinghouse | LEU, 5.0%, as UO2 | 20.00 | kg | Canada | Resource recovery of zirconium scrap, incidental radioactive material | 11/24/1999 | 11/30/1999 | | | | | Pending | EB |

NRC Export Licensing Actions Pending as of 11/30/99

| <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 |
| XCOM1102/03 | Westinghouse | Reactor components, Appendix A, items (5) thru (9) | 0.00 | k\$ | Brazil | Angra 1 & INB | 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 |
| 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 |
| 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 |

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|-----------------------|--------------------------------------|---|-----------------|-------------|-----------------------------|--|-------------------------|--------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------------|-------------------------|
| 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 |
| XCOM1133 | Global Nuclear Fuel-Americas, L.L.C. | Reactor Components in Appendix A (5) thru (9) | 6,000.00 | k\$ | Various 110.26(a) countries | Components for testing, qualification, models, training & manufacture | 11/2/1999 | 11/3/1999 | 11/10/1999 | | | | Pending | EB |
| 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 |
| XSNM2673/03 | Global Nuclear Fuel-Americas, L.L.C. | LEU, 4.00%, and Natural U, as heels | 0.00 | kg | EURATOM | Change licensee name from GE to Global Nuclear Fuel-Americas, L.L.C., and ext exp date to 12/31/02 | 11/11/1999 | 11/15/1999 | | | | | Pending | GE |

| <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> |
|-----------------------|--------------------------------------|--|-----------------|-------------|----------------|--|-------------------------|--------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------------|-------------------------|
| 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 |
| XSNM2948/01 | Global Nuclear Fuel-Americas, L.L.C. | LEU, 5.0% and Natural U, in various forms | 170,000.00 | kg | Spain | Change licensee name from GE to Global Nuclear Fuel-Americas, L.L.C., and update intermediate consignee info | 11/11/1999 | 11/15/1999 | | | | | 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 | 11/12/1999 | | | | 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 |
| 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 |
| 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 |
| 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 |

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|-----------------------|--------------------------------|---|-----------------|-------------|----------------|---|-------------------------|--------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------------|-------------------------|
| 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 |
| XSNM3109 | Transnuclear | LEU, 4.75%, as UF6 | 18,914.00 | kg | Spain | Confrentes-1 BWR | 9/29/1999 | 9/30/1999 | 10/6/1999 | | | | Pending | |
| 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 | 11/5/1999 | | | | 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 |
| XSNM3114 | Mitsui & Co. | LEU, 4.95% and Natural U, as UO2 | 3,957.00 | kg | Japan | Fukushima I, 6 and Fukushima II 1&2 | 10/27/1999 | 11/1/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3115 | Mitsui & Co. | LEU, 4.95%, as UO2 | 23,192.00 | kg | Japan | Fukushima II 3&4 and Kashiwazaki-Kariwa 1-5 | 11/1/1999 | 11/2/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3116 | Energy USA, Inc. | LEU, 4.95%, as UO2 | 9,526.00 | kg | Japan | Shimane 2 | 10/29/1999 | 11/2/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3117 | Energy USA, Inc. | LEU, 4.95%, as UO2 | 22,537.00 | kg | Japan | Fukushima II, 3&4 and Kashiwazaki-Kariwa 1-5 | 11/2/1999 | 11/5/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3118 | Energy USA, Inc. | LEU, 3.95%, as UO2 | 8,536.00 | kg | Japan | Fukushima I, 6 and Fukushima II 1&2 | 11/2/1999 | 11/5/1999 | 11/10/1999 | | | | Pending | AS |
| XSNM3119 | Siemens Power Corp. | LEU, 4.15%, as UO2 powder | 56,848.00 | kg | Japan | Mihama 2, Takanhama 2, and Ohi 2&4 | 11/3/1999 | 11/9/1999 | 11/12/1999 | | | | Pending | AS |
| XSNM3120 | Mitsui & Co. | LEU, 4.45%, as UO2 | 13,238.00 | kg | Japan | Fukushima II, 3&4 and Kashiwazaki-Kariwa 1-5 | 11/15/1999 | 11/17/1999 | 11/18/1999 | | | | Pending | AS |
| XSNM3121 | Mitsui & Co. | LEU, 3.95%, as UO2 | 5,902.00 | kg | Japan | Fukushima I, 2-5 | 11/15/1999 | 11/17/1999 | 11/18/1999 | | | | Pending | AS |
| XSNM3122 | Mitsui & Co. | LEU, 4.95%, and Natural U, as UO2 | 25,073.00 | kg | Japan | Fukushima II, 3&4 and Kashiwazaki-Kariwa 1-5 | 11/15/1999 | 11/17/1999 | 11/18/1999 | | | | Pending | AS |
| XSNM3123 | Mitsui & Co. | LEU, 4.95%, and Natural U, as UO2 | 83,178.00 | kg | Japan | Onagawa 3, Initial core | 11/18/1999 | 11/22/1999 | 11/30/1999 | | | | Pending | EB |
| XSNM3124 | Mitsubishi International | LEU, 3.85%, as UF6 | 6,757.00 | kg | Japan | Mihama 1 | 11/22/1999 | 11/23/1999 | 11/30/1999 | | | | Pending | AS |
| XSNM3125 | Mitsubishi International | LEU, 4.15%, as UF6 | 20,741.00 | kg | Japan | Takahama 3 | 11/22/1999 | 11/23/1999 | 11/30/1999 | | | | Pending | AS |

| <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> |
|-----------------------|--|--|-----------------|-------------|----------------|---|-------------------------|--------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------------|-------------------------|
| XSNM3126 | Mitsubishi International | LEU, 4.15%, as UF6 | 12,540.00 | kg | Japan | Ohi 2 | 11/22/1999 | 11/23/1999 | 11/30/1999 | | | | Pending | AS |
| 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 |
| XSOU8728/01 | Global Nuclear Fuel-Americas, L.L.C. | Natural U, as UO2 powder and/or pellets | 0.00 | kg | Canada | Change licensee name from GE to Global Nuclear Fuel-Americas, L.L.C. | 11/11/1999 | 11/15/1999 | | | | | Pending | GE |
| 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 |
| XW003 | Westinghouse | LEU, 5.0%, as UO2 | 20.00 | kg | Canada | Resource recovery of zirconium scrap, incidental radioactive material | 11/24/1999 | 11/30/1999 | | | | | Pending | EB |