



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

February 9, 2012

Mr. Robin DeLaBarre  
Office of Nuclear Energy,  
Safety & Security Affairs, Room 3320 HST  
Bureau of International Security & Nonproliferation  
U.S. Department of State  
2201 C Street, N.W.  
Washington, D.C. 20520

Dear Mr. DeLaBarre:

Enclosed for your information are reports which list all 10 CFR Part 110 Non-Appendix P U.S. Nuclear Regulatory Commission export and import cases which were completed and received during the month of January 2012.

In summary, eight cases were completed and five license applications or amendment requests were received. It should be noted that as of the date of this letter, 25 cases are still pending.

The Office of International Programs will continue our review of the existing pending cases that do not require Executive Branch views. We understand that for most of the pending cases listed in the report, the Executive Branch is waiting for 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 blue ink, reading "Stephen Dembek", is positioned above the typed name.

Stephen Dembek, Acting Deputy Director  
Office of International Programs

Enclosure:  
January 2012 Reports

cc:

P. Dessaulles, DOE/NMMSS  
S. Oehlbert, DOE/NNSA  
R. Goorevich, DOE/NNSA  
J. Norles, DOE/NNSA  
C. Baugues, DHS/CBP

S. Clagett, DOC  
D. McDarby, DTRA  
E. Sauls, DTRA  
K. Kessler, UNVIE  
E. Thomas, UNVIE

# NRC Export/Import Licensing Actions Completed From 01/01/2012 to 01/31/2012

| License Number      | Applicant                                | Commodity  | Destination | End Use  | Status     | License Type |            |                |            |                 |            |
|---------------------|--|--|-------------|--|------------|--------------|------------|----------------|------------|-----------------|------------|
| IW030               | GE Hitachi Nuclear Energy, LLC           | 210 Co-60 sealed sources - 7955 TBq (215,000 Ci)                       | From China  | Recycling, forensic testing, or storage & disposition - Vallecitos Nuclear Center, Sunol, CA               | Issued     | EB           |            |                |            |                 |            |
| Date of Application | 08/01/2011                               | Date Received  | 08/05/2011  | Date to EB   | 08/16/2011 | Date From EB | 11/15/2011 | Date Completed | 01/31/2012 | Expiration Date | 03/31/2012 |
| XB1326/01           | Hydraulic Power Technology - Texas, Inc. | Cs-137 in solid sealed sources (2 units) in densitometers - 0.0148 TBq | Iraq        | Amend to ext exp date from 12/31/11 to 3/31/12   | Issued     | AM           |            |                |            |                 |            |
| Date of Application | 12/15/2011                               | Date Received  | 12/20/2011  | Date to EB   | 12/20/2011 | Date From EB | 12/22/2011 | Date Completed | 01/30/2012 | Expiration Date | 06/30/2012 |
| XMAT410/01          | Sigma-Aldrich Corporation                | Deuterium compounds - 5,000kg  | Japan       | Amend to ext exp date from 12/31/12 to 12/31/14  | Issued     | AM           |            |                |            |                 |            |
| Date of Application | 08/11/2011                               | Date Received  | 12/02/2011  | Date to EB   | 12/08/2011 | Date From EB |            | Date Completed | 01/18/2012 | Expiration Date | 12/31/2014 |
| XMAT414             | Concert Pharmaceuticals, Inc.            | Deuterium compounds - 20,000 kg  | China       | Non-nuclear end use (active pharmaceutical ingredient manufacture) - Asymchem Life Science Co., Ltd.       | Issued     | EB           |            |                |            |                 |            |
| Date of Application | 11/30/2010                               | Date Received  | 12/07/2010  | Date to EB   | 12/17/2010 | Date From EB | 12/19/2011 | Date Completed | 01/18/2012 | Expiration Date | 12/01/2015 |
| XMAT417             | Sigma-Aldrich Corporation                | Deuterium compounds - 3,000 kg   | China       | Non-nuclear end use for distribution into Chinese medical, pharmaceutical, chemical and industrial markets | Issued     | EB           |            |                |            |                 |            |
| Date of Application | 06/28/2011                               | Date Received  | 07/22/2011  | Date to EB   | 08/05/2011 | Date From EB | 12/19/2011 | Date Completed | 01/18/2012 | Expiration Date | 11/01/2014 |
| XSNM3647/01         | Mitsui & Co. (U.S.A.), Inc.              | LEU, 4.95%, as UO2 - 37,707 kg   | Japan       | Amend to ext exp date from 2/29/2012 to 2/28/2017  | Issued     | AM           |            |                |            |                 |            |
| Date of Application | 12/01/2011                               | Date Received  | 12/06/2011  | Date to EB   | 12/09/2011 | Date From EB |            | Date Completed | 01/18/2012 | Expiration Date | 02/28/2017 |

| License Number      | Applicant                               | Commodity                            |            |            |            | Destination       |            | End Use   |            |                 | Status     | License Type |
|---------------------|---|--------------------------------------|------------|------------|------------|-------------------|------------|---|------------|-----------------|------------|--------------|
| XSNM3704            | Transport Logistics International, Inc. | LEU, 4.75%, as UF6 - 104,264 kg      |            |            |            | Republic of Korea |            | Reload fuel - Ulchin 4, ShinWolsung 1, Kori 4, & Yonggwang 2,3,&6 |            |                 | Issued     | AS           |
| Date of Application | 10/21/2011                              | Date Received                        | 11/04/2011 | Date to EB | 11/14/2011 | Date From EB      | 01/17/2012 | Date Completed  | 01/30/2012 | Expiration Date | 12/31/2013 |              |
| XSNM3705            | AREVA NP Inc.                           | LEU, 4.85%, as UO2 powder - 8,826 kg |            |            |            | Japan             |            | Reload fuel - Genkai 1  |            |                 | Issued     | AS           |
| Date of Application | 11/17/2011                              | Date Received                        | 11/21/2011 | Date to EB | 11/25/2011 | Date From EB      | 01/20/2012 | Date Completed  | 01/30/2012 | Expiration Date | 08/31/2014 |              |

# NRC Export/Import License Applications Received From 01/01/2012 to 01/31/2012

| License Number | Applicant                    | Commodity  | Destination | End Use   | Status         | License Type    |
|----------------|------------------------------|--|-------------|---|----------------|-----------------|
| XB1316/02      | Best Lighting Products, Inc. | Tritium in sealed sources (glass tubes in exit signs) - 2220 TBq maximum | Canada      | Amend to: 1) incr qty from 740 TBq to 2220 TBq per year; 2) ext exp date from 1/31/2015 to 1/31/2017    | Pending        | EB              |
| Date Received  | 01/26/2012                   | Date to EB   | 02/06/2012  | Date From EB  | Date Completed | Expiration Date |
| XCOM1237       | Mytech Corporation           | Inconel 625 Alloy Tube Seamless - 1,004.73 Lbs                           | Jordan      | For use in research & test reactor - Jordan Univ of Science & Tech                                      | Pending        | CM              |
| Date Received  | 01/17/2012                   | Date to EB   | 01/20/2012  | Date From EB  | Date Completed | Expiration Date |
| XCOM1238       | Technetics Group Columbia    | Replacement parts  | Brazil      | Replacement parts - Angra 1 & 2   | Pending        | AS              |
| Date Received  | 01/31/2012                   | Date to EB   |             | Date From EB  | Date Completed | Expiration Date |
| XMAT418        | Sigma-Aldrich Corporation    | Deuterium compounds - 1,500 kg   | India       | Non-nuclear end use for distribution into Indian medical, pharmaceutical, chemical & industrial markets | Pending        | EB              |
| Date Received  | 01/13/2012                   | Date to EB   | 01/25/2012  | Date From EB  | Date Completed | Expiration Date |
| XSNM3709       | Edlow International Company  | LEU, 19.95%, as metal pieces - 330 kg                                    | Argentina   | Reload Fuel - RA-1, RA-3, & RA-6 research reactors  | Pending        | AS              |
| Date Received  | 01/30/2012                   | Date to EB   | 02/06/2012  | Date From EB  | Date Completed | Expiration Date |

*Pending NRC Export/Import Licensing Actions for Thursday, February 09, 2012*

| License # | Type | Applicant  | Commodity  | End Use  | Date Rec'd | Date to Exec Br | Date From Exec Br | Case Officer |
|-----------|------|--|--|--|------------|-----------------|-------------------|--------------|
| XSNM3709  | AS   | Edlow International Company                                    | LEU, 19.95%, as metal pieces - 330 kg                                    | Reload Fuel - RA-1, RA-3, & RA-6 research reactors   | 01/30/2012 | 02/06/2012      |                   | Mayros       |
| XSNM3680  | CM   | Department of Energy - Oak Ridge                               | LEU, 19.95%, as broken metal - 33 kg                                     | Reload fuel - Chilean Experimental Reactors RECH-1 & RECH-2  | 04/06/2011 | 04/29/2011      |                   | Mayros       |
| XCOM1231  | EB   | Weir Valves & Controls USA Inc.                                | Stop check valves - 20   | Containment-purification return lines - Sanmen Unit 2, Haiyang Unit 2, Wuhu, Xianning, Pengze, Taohuajiang, Xiaomoshan, Wanan Yanjiashen, & Xudabao Nuclear Power Plants | 06/08/2011 | 06/20/2011      |                   | Shepherd     |
| XCOM1232  | EB   | ENERTECH, a business unit of Curtis-Wright Control Corporation | Check valves and spare parts   | Containment Isolation and CMT A discharge applications - Sanmen & Haiyang Nuclear Power Plants   | 06/16/2011 | 06/23/2011      |                   | Mayros       |
| XCOM1234  | EB   | Sandvik Special Metals, LLC                                    | Zircaloy-4 cladding tubes - 7,400 kg                                     | Fabricating fuel assemblies - Qinshan 1  | 08/15/2011 | 08/30/2011      |                   | Shepherd     |
| XR174     | CM   | Westinghouse Electric Company LLC                              | Complete reactor control rod system                                      | Seismic testing - Nuclear Power Institute of China   | 10/06/2011 | 10/18/2011      | 12/19/2011        | Mayros       |
| XSNM3702  | EB   | Westinghouse Electric Company LLC                              | HEU, 93.19%, as U-235 - 144 g  | Radiation detection units for AP1000 - China Power Investment Corp & China Nat'l Nuclear Corp  | 10/07/2011 | 10/18/2011      |                   | Mayros       |
| XSNM3706  | AS   | AREVA NP Inc.  | LEU, 4.15%, as UO2 powder - 17,000 kg                                    | Reload fuel - Takahama 3   | 12/15/2011 | 12/19/2011      |                   | Mayros       |
| XSNM3707  | AS   | AREVA NP Inc.  | LEU, 4.15%, as UO2 - 12,000 kg   | Reload fuel - Takahama 4   | 12/22/2011 | 12/28/2011      |                   | Mayros       |
| XSNM3708  | CM   | Department of Energy - Oak Ridge                               | HEU, 93.35%, as broken metal for target fabrications - 10 kg             | Target, fabrication & Mo-99 production - Nuclear Research & Consultancy Group  | 12/22/2011 | 12/27/2011      |                   | Shepherd     |
| XCOM1237  | CM   | Mytech Corporation   | Inconel 625 Alloy Tube Seamless - 1,004.73 Lbs                           | For use in research & test reactor - Jordan Univ of Science & Tech   | 01/17/2012 | 01/20/2012      |                   | Shepherd     |
| XSNM3679  | AS   | Transnuclear, Inc.   | LEU, 19.95%, as solid form - 33 kg                                       | Reload fuel - Kyoto University Research Reactor Institute  | 03/08/2011 | 03/16/2011      |                   | Mayros       |
| XB1316/02 | EB   | Best Lighting Products, Inc.                                   | Tritium in sealed sources (glass tubes in exit signs) - 2220 TBq maximum | Amend to: 1) incr qty from 740 TBq to 2220 TBq per year; 2) ext exp date from 1/31/2015 to 1/31/2017   | 01/26/2012 | 02/06/2012      |                   | Wollenweber  |

| License #   | Type | Applicant                              | Commodity   | End Use  | Date Rec'd | Date to Exec Br | Date From Exec Br | Case Officer |
|-------------|------|--|---|--|------------|-----------------|-------------------|--------------|
| XR173       | CM   | Curtiss-Wright Electro-Mechanical Corp | Reactor coolant pumps & associated equipment        | Construction, maintenance & operation of six 900 to 1500 MWe PWRs - Taohuajiang, Xianning, & Pengze Projects                                 | 02/14/2011 | 02/18/2011      |                   | Shepherd     |
| XCOM1238    | AS   | Technetics Group Columbia              | Replacement parts                                   | Replacement parts - Angra 1 & 2  | 01/31/2012 |                 |                   | Shepherd     |
| XB1315/02   | AM   | Isolite Corporation                    | Tritium in self-luminous sealed sources and devices | Amend to: 1) make minor addition to address of ultimate consignee in foreign country, & 2) ext exp date to 6/30/2017                         | 02/01/2012 | 02/06/2012      |                   | Wollenweber  |
| XSNM3710    | AS   | Transport Logistics Intl               | LEU, 4.85%, as UF6 - 10,426 kg                      | Reload fuel - Genkai &/or Sendai   | 02/01/2012 |                 |                   | Mayros       |
| XSNM3711    | AS   | Mitsui & Co. (U.S.A.), Inc.            | LEU, 4.95%, as UO2 - 25,295 kg                      | Reload fuel - Shimane  | 02/01/2012 |                 |                   | Mayros       |
| XCOM1240    | EB   | Technetics Group Columbia              | Reactor pressure vessel seals                       | Replacement parts - Sanmen, Haiyang, Qinshan, & Shidaowen  | 02/02/2012 |                 |                   | Shepherd     |
| XR175       | CM   | FirstEnergy Nuclear Operating Company  | Reactor Vessel Head                                 | Fabrication  | 02/07/2012 |                 |                   | Shepherd     |
| XMAT412/01  | EB   | Linde Electronics and Specialty Gases  | Deuterium Gas - 1,753.5 kg                          | Amend to 1) modify names to list of intermediate consignees in China & other U.S. parties to export  | 02/03/2012 |                 |                   | Shepherd     |
| XSOU8798/02 | AS   | RSB Logistic Services Inc.             | Nat U, as U308 - 12,000,000 kg                      | Amend to: 1) incr qty to 12,000,000 kg; 2) add a name to other parties to the export, & 3) ext exp date to 12/31/2017                        | 02/06/2012 |                 |                   | Mayros       |
| XSNM3586    | AS   | Nukem, Inc.                            | LEU & Nat U, 19.5% in various forms - 200,000 kg    | Use in commercial nuclear power stations in U.S. &/or other countries not restricted from receiving US oblig-mats - Ulba Metallurgical Plant | 05/07/2009 | 05/12/2009      |                   | Shepherd     |
| XSNM3633    | CM   | Department of Energy - Oak Ridge       | HEU, 93.95%, as metal - 116 kg                      | Reload fuel - Institut Laue - Langevin (ILL) High Flux Reactor (HFR)   | 12/20/2010 | 12/27/2010      |                   | Shepherd     |
| XMAT418     | EB   | Sigma-Aldrich Corporation              | Deuterium compounds - 1,500 kg                      | Non-nuclear end use for distribution into Indian medical, pharmaceutical, chemical & industrial markets                                      | 01/13/2012 | 01/25/2012      |                   | Vladimir     |