



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

March 3, 2017

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

Dear Mr. DeLaBarre:

Enclosed for your information are the reports listing the Title 10 of the *Code of Federal Regulations*, Part 110, Non-Appendix P, U.S. Nuclear Regulatory Commission export and import licensing actions completed and applications received during the month of February 2017. In summary, four licensing actions were completed and five license applications were received. As of the date of this letter, 41 Non-Appendix P export and import cases are pending. The Office of International Programs will continue its review of the existing pending cases that do not require Executive Branch views.

Sincerely,

A handwritten signature in blue ink that reads "David L. Skeen".

David L. Skeen, Deputy Director
Office of International Programs

Enclosure:
February 2017 Reports

cc:

P. Dessaulles, DOE/NMMSS
R. Goorevich, DOE/NNSA
J. Goodman, DOE/NNSA
J. Norles, DOE/NNSA
O. Toigo, DHS/CBP
R. Bennett, DHS/CBP

S. Clagett, DOC
B. Jonas, IAEA
E. Sauls, DTRA
J. Daniel, UNVIE
A. Sunshine, UNVIE

SGIT_FileStation@iaea.org
D. Hanks, NMSS/FCSE
S. Stacy, DOE/NMIP
L. Kuchinsky, DOE/NMIP
A. Goodsell, DOE/NMIP

NRC Non-Appendix P License Applications Received From 02/01/2017 to 02/28/2017

License Number	Applicant	Commodity	End Use	Destination	Date Received	Status
XB1334	Siemens Corporation for Si	Germanium-68 Solid Polymer	For use in Biograph 16 Truepoint PET/CT medical imaging equipment - University of Nahrain - College of Medicine	Iraq	02/16/2017	Pending
XCOM1306	Pall Corporation	Filters - 8	Used in Uranous Nitrate Prod. Process	United Kingdom	02/15/2017	Pending
XMAT420/01	Cambridge Isotope Laborat	Deuterium compounds - 0	Amend to: 1) change the name of an intermediate consignee; 2) include two additional ultimate consignees; and 3) extend the date of expiration to January 10, 2022	Japan	02/06/2017	Pending
XMAT427/01	Airgas USA, LLC	Deuterium gas - 0	Amend to reflect applicant name change from Airgas Specialty Gases to Airgas USA, LLC	China	02/02/2017	Pending
XSNM3778	Thermo Fisher Scientific	HEU, 94.0% in six (6) fission chambers - 3.9kg	For neutron flux monitoring systems - Krsko Unit 1	Slovenia	02/07/2017	Pending

NRC Non-Appendix P Licensing Actions Completed From 02/01/20 to 02/28/201

License Number	Applicant	Commodity	Destination	End Use	Date Completed	Status
IW029/01	EnergySolutions Services, Inc.	Radwaste, as incinerable dry active material - 0 tons	from Germany	Amend to: 1) change the licensee POC; 2) change applicant's name; and 3) extend the date of expiration to 12/31/2021	02/16/2017	Issued
XCOM1268	Technetics Group Columbia	Reactor pressure vessel seals, clips, & screws	China	For use at Qinshan 1	02/24/2017	RWA
XSNM3586	Nukem, Inc.	LEU & Nat U, 19.5% in various forms - 200,000 kg	Kazakhstan	Use in commercial nuclear power stations in U.S. &/or other countries not restricted from receiving US oblig-mats - Ulba Metallurgical Plant	02/02/2017	RWA
XW018/01	EnergySolutions Services, Inc.	Radwaste, as hearth ash from incineration of dry active material - 0	Germany	Amend to: 1) change the licensee POC name; 2) change the applicant's name; and 3) extend the date of expiration to 12/31/2021	02/16/2017	Issued

NRC Non- Appendix P Export/Import Licensing Actions Pending For 03/02/2017

License Number IW022/05 **Applicant** Perma-Fix Northwest, Inc. **Commodity** Radwaste (as contam metal, dry activity material & liquids) - 0 **Status** Pending

End Use Amend to: 1) change licensee contact information; 2) extend date of expiration; 3) change name of the point of origin entity; and 4) remove a reference to waste classification **Date of Application** 12/27/2016 **Date Received** 01/05/2017

Date to EB 01/24/2017 **Date From EB** 02/09/2017 **Destination** from Canada

License Number IW031 **Applicant** Perma-Fix Northwest, Inc. **Commodity** Radwaste, combustible & non-combustible material contaminated byproduct, source & special nuclear material - 500 tons **Status** Pending

End Use Volume reduction through thermal destruction & return of ash & non-conforming materials under XW019 **Date of Application** 02/14/2012 **Date Received** 02/16/2012

Date to EB 01/24/2012 **Date From EB** **Destination** from Mexico

License Number IW034 **Applicant** UniTech Services Group, Inc. **Commodity** Radwaste as tools, metals, and other solid materials - 10,000 metric tons **Status** Pending

End Use Laundering and decontamination of protective clothing and related products used at nuclear power plants in Canada. The residual material from dissolving and decontamination will be returned to Canada under the associated export license XW023. **Date of Application** 10/20/2016 **Date Received** 10/27/2016

Date to EB 11/10/2016 **Date From EB** 12/20/2016 **Destination** from Canada

License Number XB1310/06 **Applicant** Leidos, Inc. **Commodity** Co-60 sealed sources in Ohmart SHF-4 gauges & 100 radiation measuring instruments - each containing 9.25-9 TBq of Cs-137 **Status** Pending

End Use extend the date of exp to December 31, 2021 **Date of Application** 08/19/2016 **Date Received** 10/24/2016

Date to EB 11/07/2016 **Date From EB** 12/30/2016 **Destination** Iraq

License Number XB1334 **Applicant** Siemens Corporation for Siemens Medical Solutions USA, Inc. **Commodity** Germanium-68 Solid Polymer **Status** Pending

End Use For use in Biograph 16 Truepoint PET/CT medical imaging equipment - University of Nahrain - College of Medicine **Date of Application** 02/13/2017 **Date Received** 02/16/2017

Date to EB **Date From EB** **Destination** Iraq

License Number XCOM1111/03 **Applicant** Westinghouse Electric Company, LLC **Commodity** Components in App A (5) - (11) **Status** Pending

End Use Amend to: 1) Update 10 CFR language to include App A (5) - (11), 2) change licensee POC, 3) include additional Intermediate and Ultimate consignees, and 4) extend the date of expiration from July 23, 2015 to July 23, 2035 **Date of Application** 06/11/2015 **Date Received** 12/28/2015

Date to EB 02/08/2016 **Date From EB** **Destination** China

License Number XCOM1187/02 **Applicant** Sulzer Pumps (US), Inc. **Commodity** Parts for Primary Heat Transport Pumps & Shutdown Cooling Pumps; replacement * spare parts **Status** Pending

End Use Amend to: 1) **Date of Application** 12/01/2016 **Date Received**

Date to EB **Date From EB** **Destination**

License Number	XCOM1232/01	Applicant	ENERTECH, a business unit of Curtiss-Wright Flow Control Corp.	Commodity	160 Check valves and spare parts	Status	Pending
End Use	Amend to: 1) add two intermediate foreign consignees; 2) add two additional ultimate foreign consignees, 3) increase the value/spare parts quantity; and 4) extend the date of expiration from July 31, 2015 to July 30, 2020.			Date of Application	02/24/2015	Date Received	04/06/2015
Date to EB	04/09/2015	Date From EB		Destination	China		

License Number	XCOM1256/02	Applicant	Kingsbury, Inc.	Commodity	Reactor coolant pump motor top & bottom bearing assemblies - 22	Status	Pending
End Use	Amend to: 1) increase quantity being shipped; 2) change license POC; and 3) extend date of expiration from 12/31/16 to 12/31/21			Date of Application	11/15/2016	Date Received	11/21/2016
Date to EB	12/20/2016	Date From EB		Destination	China		

License Number	XCOM1284	Applicant	ATI Specialty Alloys & Components	Commodity	Zircaloy 4 Trex tubes - 30,800 kg	Status	Pending
End Use	Fuel bundles - Qinshan Nuclear Power Plant			Date of Application	05/09/2014	Date Received	05/13/2014
Date to EB	05/23/2014	Date From EB		Destination	China		

License Number XCOM1286/01 **Applicant** Scientech, a business unit of Curtiss-Wright Flow Control Company **Commodity** Steam generator nozzle dams, diaphragm seals, control consoles, ancillary equipment, replacement and spare parts, and related technology and tech services **Status** Pending

End Use This license is amended to: 1) include an additional ultimate foreign consignee; 2) additional other U.S. parties to the export; 3) increase the total dollar value of equipment; and 4) change the licensee point of contact. **Date of Application** 04/01/2016 **Date Received** 04/14/2016

Date to EB 05/06/2016 **Date From EB** **Destination** China

License Number XCOM1287 **Applicant** Technetics Group Columbia **Commodity** RPV Seal Sets, Clips and Screws - Multiple **Status** Pending

End Use For use at State Nuclear Power Demonstration Plant **Date of Application** 09/11/2014 **Date Received** 09/15/2014

Date to EB 09/26/2014 **Date From EB** **Destination** China

License Number XCOM1288 **Applicant** Technetics Group Columbia **Commodity** RPV Seal Sets, Clips and Screws - Multiple **Status** Pending

End Use For use at CNNC Liaoning Nuclear Power Plant **Date of Application** 09/11/2014 **Date Received** 09/15/2014

Date to EB 09/26/2014 **Date From EB** **Destination** China

License Number XCOM1294 **Applicant** ENERTECH, a business unit of Curtiss-Wright Flow Control Corp. **Commodity** Minor reactor components (10 CFR Part 110 Appendix A Paragraphs 5-11) **Status** Pending

End Use For use at Qinshan I, 1; Qinshan II, 1-4; & Qinshan III, 1-2 **Date of Application** 07/10/2015 **Date Received** 07/20/2015

Date to EB 08/14/2015 **Date From EB** **Destination** China

License Number XCOM1304 **Applicant** AREVA Inc. **Commodity** Reactor In-Core Detector Assemblies and Reactor Internal Thermocouplers - \$30 million **Status** Pending

End Use Plant installation - Fangchenggang NPP 3 and 4 **Date of Application** 03/02/2016 **Date Received** 04/13/2016
Date to EB 04/21/2016 **Date From EB** **Destination** China

License Number XCOM1306 **Applicant** Pall Corporation **Commodity** Filters - 8 **Status** Pending
End Use Used in Uranous Nitrate Prod. Process **Date of Application** 08/15/2016 **Date Received** 02/15/2017
Date to EB **Date From EB** **Destination** United Kingdom

License Number XMAT410/03 **Applicant** Sigma-Aldrich Co., LLC **Commodity** Deuterium Compounds - 5,000 kg **Status** Pending
End Use Amend to increase qty of deuterium to 10,000 kg, and extend the date of expiration to December 31, 2021 **Date of Application** 01/18/2017 **Date Received** 01/31/2017
Date to EB 02/07/2017 **Date From EB** **Destination** Japan

License Number XMAT412/02 **Applicant** Linde Electronics and Specialty Gases, a Division of Linde Gas North America LLC **Commodity** Deuterium Gas - 3000 kg **Status** Pending
End Use Amend to: 1) Update applicant's address; 2) increase volume of gas being shipped; 3) remove an intermediate consignee; 4) add and change the name of an ultimate consignee; 5) extend the date of expiration to 12/31/2021 **Date of Application** 06/15/2016 **Date Received** 10/03/2016
Date to EB 10/14/2016 **Date From EB** **Destination** China

License Number XMAT420/01 **Applicant** Cambridge Isotope Laboratories, Inc. **Commodity** Deuterium compounds - 0 **Status** Pending
End Use Amend to: 1) change the name of an intermediate consignee; 2) include two additional ultimate consignees; and 3) extend the date of expiration to January 10, 2022 **Date of Application** 12/12/2016 **Date Received** 02/06/2017

Date to EB **Date From EB** **Destination** Japan

License Number XMAT422/02 **Applicant** Cambridge Isotope Laboratories, Inc. **Commodity** Deuterium gas, oxide, compounds - 0 **Status** Pending
End Use Amend to: 1) add intermediate and ultimate foreign consignees to the license; 2) name and address change of ultimate consignee; and 3) extend date of expiration to 1/1/22 **Date of Application** 12/12/2016 **Date Received** 12/29/2016

Date to EB 01/06/2017 **Date From EB** **Destination** China

License Number XMAT427/01 **Applicant** Airgas USA, LLC **Commodity** Deuterium gas - 0 **Status** Pending
End Use Amend to reflect applicant name change from Airgas Specialty Gases to Airgas USA, LLC **Date of Application** 01/31/2017 **Date Received** 02/02/2017

Date to EB 02/09/2017 **Date From EB** **Destination** China

License Number XMAT438 **Applicant** Sigma-Aldrich Co., LLC **Commodity** Deuterium compounds - 2,000 kg **Status** Pending
End Use For distribution into the medical, pharmaceutical, chemical, and industrial markets for non-nuclear end use **Date of Application** 12/20/2016 **Date Received** 01/31/2017

Date to EB 02/07/2017 **Date From EB** **Destination** Denmark

License Number XR169/02	Applicant Westinghouse Electric Company, LLC	Commodity PWR, 900-1500 Mwe ea (AP1000 design),	Status Pending
End Use Amend to: 1) change name of "Other Parties to Export," 2) update 10 CFR language to include paragraphs 10 & 11 of Appendix A, 3) include two additional units at both the Sanmen and Haiyang sites for a total of four units at each site, 4) update licensee address, and 5) extend the date of expiration from July 23, 2015 to July 23, 2035	Date of Application 06/11/2015	Date Received 07/06/2015	
Date to EB 09/01/2015	Date From EB	Destination China	

License Number XR177	Applicant Curtiss-Wright Electro-Mechanical Corporation	Commodity Reactor coolant pumps & associated equipment	Status Pending
End Use Construction, maintenance & operation of eight 900 to 1500 Mwe PWRs - Sanmen, Haiyang, Lufeng, Xudapu	Date of Application 08/28/2013	Date Received 09/29/2013	
Date to EB 09/05/2013	Date From EB	Destination China	

License Number XSNM03034/0	Applicant Westinghouse Electric Company, LLC	Commodity LEU, 5.00% as UO2 pellets	Status Pending
End Use Amend to: 1) include 2 addt'l units at Sanmen and Haiyang, 2) increase the qty of U-235, 3) change the licensee's address, 4) change the licensee POC, and 5) extend the date of exp to 7/31/2035	Date of Application 06/11/2015	Date Received 07/06/2015	
Date to EB 08/28/2015	Date From EB	Destination China	

License Number XSNM3702/01 **Applicant** Westinghouse Electric Company, LLC **Commodity** HEU, 93.19%, as U-235 - 324 g **Status** Pending
End Use Amend to: include 2 addt'l units at Sanmen and Haiyang, 2) add addt'l Ultimate Consignee, 3) increase qty of U-235, 4) increase no. of detectors, and 5) extend date of exp. to 7/31/2035 **Date of Application** 06/11/2015 **Date Received** 07/06/2015
Date to EB 08/28/2015 **Date From EB** **Destination** China

License Number XSNM3765 **Applicant** Argonne National Laboratory **Commodity** LEU, 19.99% - 3.0 kg **Status** Pending
End Use Fuel Fabrication - CERCA **Date of Application** 06/12/2015 **Date Received** 06/22/2015
Date to EB 07/06/2015 **Date From EB** **Destination** France

License Number XSNM3768/01 **Applicant** Edlow International Company as an Agent for PT INUKI **Commodity** LEU - 139.5 kg **Status** Pending
End Use Amend to: 1) increase quantity of LEU to be exported; 2) include additional other party to the export; 3) include additional intermediate foreign consignee; and 4) remove one of the Ultimate consignees **Date of Application** 01/18/2017 **Date Received** 01/25/2017
Date to EB 02/01/2017 **Date From EB** **Destination** Indonesia

License Number XSNM3769 **Applicant** Westinghouse Electric Company, LLC **Commodity** LEU, 7.5%, as uranium metal, 7 kg **Status** Pending
End Use Fabricating U metal into U2Si2 pellets - National Nuclear Lab. Springfields **Date of Application** 05/09/2016 **Date Received** 06/28/2016
Date to EB 07/06/2016 **Date From EB** 09/08/2016 **Destination** United Kingdom

License Number XSNM3771 **Applicant** Edlow International Company as Agent for SCK-CEN **Commodity** HEU, 93.20%, as fuel elements with a neutron absorber, 144.0 kg U **Status** Pending

End Use Reload fuel - BR-2 Reactor **Date of Application** 05/18/2016 **Date Received** 06/03/2016

Date to EB 06/16/2016 **Date From EB** 12/06/2016 **Destination** Belgium

License Number XSNM3774 **Applicant** Thermo Fisher Scientific **Commodity** HEU, 94.0% in fission chambers - 0.141 kg **Status** Pending

End Use For neutron flux monitoring systems - Shidaowan Units 1 and 2 **Date of Application** 06/16/2016 **Date Received** 06/28/2016

Date to EB 10/31/2016 **Date From EB** **Destination** China

License Number XSNM3775 **Applicant** Thermo Fisher Scientific **Commodity** **Status** Pending

End Use Use in neutron flux monitoring systems at Hanul (Units 1 and 2), Hanbit (Units 1 and 2), and Shin Hanul (Units 1 and 2) **Date of Application** 06/22/2016 **Date Received** 01/30/2017

Date to EB 02/14/2017 **Date From EB** **Destination** Republic of Korea

License Number XSNM3776 **Applicant** U.S. Department of Energy/NNSA **Commodity** HEU, 93.35%, in the form of broken metal, 7.2 kg U **Status** Pending

End Use Medical isotope production - Institute for Radioelements **Date of Application** 07/14/2016 **Date Received** 07/21/2016

Date to EB 08/01/2016 **Date From EB** 11/23/2016 **Destination** Belgium

License Number XSNM3777 **Applicant** U.S. Department of Energy/NNSA **Commodity** HEU, 93.35%, in the form of broken metal, 3.0 kg U **Status** Pending

End Use Molybdenum production - NRU **Date of Application** 09/09/2016 **Date Received** 09/27/2016

Date to EB 10/07/2016 **Date From EB** 11/23/2016 **Destination** Canada

License Number XSNM3778 **Applicant** Thermo Fisher Scientific **Commodity** HEU, 94.0% in six (6) fission chambers - 3.9kg **Status** Pending

End Use For neutron flux monitoring systems - Krsko Unit 1 **Date of Application** 01/27/2017 **Date Received** 02/07/2017

Date to EB 02/09/2017 **Date From EB** 02/27/2017 **Destination** Slovenia

License Number XSOU8834 **Applicant** Transport Logistics International, Inc. **Commodity** Natural uranium hexafluoride (UF6) - 1,800,000 kgs **Status** Pending

End Use Feed Material - China Nuclear Energy Industry Corporation **Date of Application** 03/28/2014 **Date Received** 04/18/2014

Date to EB 05/05/2014 **Date From EB** **Destination** China

License Number XSOU8836 **Applicant** ConverDyn **Commodity** Natural Uranium Hexafluoride (UF6) - 2,000,000 kg **Status** Pending

End Use For power for utility stations - China Nuclear Fuel Corporation **Date of Application** 10/28/2014 **Date Received** 11/07/2014

Date to EB 02/12/2015 **Date From EB** **Destination** China

License Number XSOU8841 **Applicant** Materion Advanced Chemicals, Inc. **Commodity** Thorium, as thorium fluoride - 3013.2kg **Status** Pending

End Use for non-nuclear end uses **Date of Application** 10/19/2016 **Date Received** 12/20/2016

Date to EB 01/06/2017 **Date From EB** **Destination** China

License Number XW012/05 **Applicant** Perma-Fix Northwest, Inc. **Commodity** Radwaste (as contam metal, dry cativity material & liquids) - 0 **Status** Pending

End Use Amend to: 1) change contact information; 2) extend date of expiration; 3) change name of the point of origin entity; and 4) remove a reference to waste classification **Date of Application** 06/27/2016 **Date Received** 06/29/2016

Date to EB 01/24/2017 **Date From EB** 02/09/2017 **Destination** Canada

License Number XW019 **Applicant** Perma-Fix Northwest, Inc. **Commodity** Radwaste, ash, & non-conforming materials under IW031 **Status** Pending

End Use Return of waste resulting from processing imported materials to the generator for storage or disposal - Laguna Verde **Date of Application** 02/14/2012 **Date Received** 02/16/2012

Date to EB 02/24/2012 **Date From EB** **Destination** Mexico

License Number XW023 **Applicant** UniTech Services Group, Inc. **Commodity** Low-level rad waste consisting of tools, metals, and other solid materials. **Status** Pending

End Use for land disposal in the originating country **Date of Application** 10/20/2016 **Date Received** 10/27/2016

Date to EB 11/10/2016 **Date From EB** 12/20/2016 **Destination** Canada