



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

January 12, 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 December 2016. In summary, one licensing action was 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:
December 2016 Reports

NRC Non-Appendix P License Applications Received From 12/01/2016 to 12/31/2016

License Number	Applicant	Commodity	End Use	Destination	Date Received	Status
XMAT422/02	Cambridge Isotope Laborat	Deuterium gas, oxide, compounds - 0	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	China	12/29/2016	Pending
XSNM3398/05	Global Nuclear Fuel - Amer	LEU, 5.00 %, as UO2 powder - 150,000 kg	Amend to: 1) incr qty frm 300,000 kg U to 450,000 kg U; and 2) change the date of expiration from 12/31/16 to 12/31/20	Spain	12/08/2016	Pending
XSNM3770/01	Edlow Intenational Co.	LEU, 19.80%, as metal - 0	Fuel for R&D - BR-2 Reactor	Belgium	12/19/2016	Pending
XSOU8774/06	Materion Advanced Chemi	Thorium, various forms - 0	Amend to extend date of expiration from January 1, 2017 to January 1, 2027	Japan	12/05/2016	Pending
XSOU8841	Materion Advanced Chemi	Thorium, as thorium fluoride - 3013.2kg	for non-nuclear end uses	China	12/20/2016	Pending

NRC Non- Appendix P Export/Import Licensing Actions Pending For 01/10/2017

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 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		Date From EB		Destination	from Canada		

License Number	IW029/01	Applicant	EnergySolutions Services, Inc.	Commodity	Radwaste, as incinerable dry active material - 0 tons	Status	Pending
End Use	Amend to: 1) change the licensee POC; 2) change applicant's name; and 3) extend the date of expiration to 12/31/2021			Date of Application	10/27/2016	Date Received	10/31/2016
Date to EB	11/18/2016	Date From EB		Destination	from Germany		

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** **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** **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	XCOM1268	Applicant	Technetics Group Columbia	Commodity	Reactor pressure vessel seals, clips, & screws	Status	Pending
End Use	For use at Qinshan 1			Date of Application	06/10/2013	Date Received	06/13/2013
Date to EB	06/13/2013	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	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	
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	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	XSNM3034/02	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	XSNM3398/05	Applicant	Global Nuclear Fuel - Americas, L.L.C.	Commodity	LEU, 5.00 %, as UO2 powder - 150,000 kg	Status	Pending
End Use	Amend to: 1) incr qty frm 300,000 kg U to 450,000 kg U; and 2) change the date of expiration from 12/31/16 to 12/31/20			Date of Application	11/28/2016	Date Received	12/08/2016
Date to EB	12/19/2016	Date From EB		Destination	Spain		

License Number	XSNM3586	Applicant	Nukem, Inc.	Commodity	LEU & Nat U, 19.5% in various forms - 200,000 kg	Status	Pending
End Use	Use in commercial nuclear power stations in U.S. &/or other countries not restricted from receiving US oblig-matls - Ulba Metallurgical Plant			Date of Application	04/28/2009	Date Received	04/30/2009
Date to EB	05/12/2009	Date From EB		Destination	Kazakhstan		

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	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. Springfield		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	XSNM3770/01	Applicant	Edlow Intenational Co.	Commodity	LEU, 19.80%, as metal - 0	Status	Pending
End Use	Fuel for R&D - BR-2 Reactor		Date of Application	12/09/2016	Date Received	12/19/2016	
Date to EB	12/21/2016	Date From EB		Destination	Belgium		

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	
Date to EB		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	XSOU8774/06	Applicant	Materion Advanced Chemicals, Inc.	Commodity	Thorium, various forms - 0	Status	Pending
End Use	Amend to extend date of expiration from January 1, 2017 to January 1, 2027			Date of Application	10/21/2016	Date Received	12/05/2016
Date to EB	12/09/2016	Date From EB		Destination	Japan		

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 cavity 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 08/01/2016 **Date From EB** **Destination** Canada

License Number XW018/01 **Applicant** EnergySolutions Services, Inc. **Commodity** Radwaste, as hearth ash from incineration of dry active material - 0 **Status** Pending

End Use 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 **Date of Application** 10/21/2016 **Date Received** 10/27/2016

Date to EB 11/18/2016 **Date From EB** **Destination** Germany

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	UnitTech 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		Destination	Canada		

NRC Non-Appendix P Licensing Actions Completed From 12/01/20 to 12/31/201

<u>License Number</u>	<u>Applicant</u>	<u>Commodity</u>	<u>Destination</u>	<u>End Use</u>	<u>Date Completed</u>	<u>Status</u>
XCOM1307	Materion Brush, Inc.	Beryllium reflector elements	Peru	for use as a reflector in the RP-10 Peruvian Research Reactor	12/20/2016	Issued

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For Illustrative Purposes Only - Not An Official Record

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

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Sincerely,

David L. Skeen, Deputy Director
 Office of International Programs

Enclosure:
 December 2016 Reports

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DATE	01/03/17	01/03/17	01/03/17	01/05/17	01/06/17	01/09/17	01/09/17
OFFICE	OIP/ECNP	BC: OIP/ECNP	DD: OIP				
NAME	AJones	PHabighorst	DSkeen				
DATE	01/10/17	01/11/17	01/12/17				

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