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Section 232 Investigation: The Effect of Imports of Uranium on U.S. National Security

Front End Survey



SCOPE OF ASSESSMENT

The U.S. Department of Commerce, Bureau of Industry and Security (BIS), Office of Technology Evaluation (OTE), is conducting a survey of the U.S. uranium mining, milling, conversion, enrichment, and fuel fabrication sectors. The survey results will be used to support an ongoing investigation of the effect of imports of uranium on U.S. national security initiated under Section 232 of the Trade Expansion Act of 1962, as amended.

The principal goal of this survey is to assist the U.S. Department of Commerce in determining whether uranium is being imported into the United States in such quantities or under such circumstances as to threaten to impair the national security. Information collected will include facilities and production data, mergers and acquisitions, joint ventures, imports and exports, supply chain networks, customers, sales and demand data, employment information, conditions of domestic and global competition, research and development, and other factors. The resulting data will provide the U.S. Department of Commerce detailed uranium industry information that is otherwise not publicly available and needed to effectively conduct this Section 232 investigation.

RESPONSE TO THIS SURVEY IS REQUIRED BY LAW

A response to this survey is required by law (50 U.S.C. Sec. 4555). Failure to respond can result in a maximum fine of \$10,000, imprisonment of up to one year, or both. Information furnished herewith is deemed confidential and will not be published or disclosed except in accordance with Section 705 of the Defense Production Act of 1950, as amended (50 U.S.C. Sec. 4555). Section 705 prohibits the publication or disclosure of this information unless the President determines that its withholding is contrary to the national defense. Information will not be shared with any non-government entity, other than in aggregate form. The information will be protected pursuant to the appropriate exemptions from disclosure under the Freedom of Information Act (FOIA), should it be the subject of a FOIA request.

Notwithstanding any other provision of law, no person is required to respond to nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number.

BURDEN ESTIMATE AND REQUEST FOR COMMENT

Public reporting burden for this collection of information is estimated to average 14 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information to BIS Information Collection Officer, Room 6883, Bureau of Industry and Security, U.S. Department of Commerce, Washington, D.C. 20230, and to the Office of Management and Budget, Paperwork Reduction Project (OMB Control No. 0694-0120), Washington, D.C. 20503.

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	General Instructions
A.	Your organization is required to complete this survey of the U.S. uranium mining, milling, conversion, enrichment, and fuel fabrication sectors using an Excel template, which can be downloaded from the BIS website: http://www.bis.doc.gov/uraniumFE If you are unable to download the survey document, at your request, BIS survey support staff will e-mail the Excel survey template directly to you. For your convenience, a PDF version of the survey and required drop-down content is available on the BIS website to aid internal data collection. DO NOT SUBMIT the PDF version of the survey as your response to BIS. Should this occur, your organization will be required to resubmit the survey in the requested Excel format.
В.	Respond to every question. Surveys that are not fully completed will be returned for completion. Use the comment boxes to provide any information to supplement responses provided in the survey form. Make sure to record a complete answer in the space provided, even if the space does not appear to expand to fit all of the information. This is a comprehensive survey of the entire front end of the U.S. uranium and nuclear fuel industry. As such, some questions may not be relevant to your organization. Read each question carefully to ensure its applicability to your organization. DO NOT CUT AND PASTE RESPONSES WITHIN THIS SURVEY OR PASTE IN RESPONSES FROM OUTSIDE THE SURVEY. Survey inputs should be completed by typing in responses or by using a drop-down menu. The use of cut and paste can corrupt the survey template. If your survey response is corrupted as a result of cut and paste response, your survey will be rejected and your organization must immediately resubmit the survey.
С.	Do not disclose any USG classified information in this survey form.
D.	Upon completion of the survey, final review, and certification, transmit the survey document via e-mail to: <u>Uranium232@bis.doc.gov</u>
	Questions related to the survey should be directed to BIS survey support staff at <u>Uranium232@bis.doc.gov</u> .
E.	E-mail is the preferred method of contact.
	You may speak with a member of the BIS survey support staff by calling (202) 482-3800.
F.	For questions related to the overall scope of this Section 232 Investigation, contact <u>Uranium232@bis.doc.gov</u> or: Brad Botwin, Director, Industrial Studies Office of Technology Evaluation, BIS, Room 1093 U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230 DO NOT submit completed surveys to Mr. Botwin's postal or personal e-mail address. All surveys must be submitted electronically to: <u>Uranium232@bis.doc.gov</u> BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act
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Term	Definitions Definition						
Alternate Feeds	A classification created by the Nuclear Regulatory Commission (NRC) that includes material that is not traditional ore, that can be processed to recover uranium for its source material content.						
Applied Research	A systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met. This activity includes work leading to the production of useful materials, devices, and systems or methods, including design, development, and improvement of prototypes and new processes.						
Authorizing Official	An executive officer of the organization or business unit or another individual who has the authority to execute this survey on behalf of the organization.						
Basic Research	A systematic, scientific study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts.						
Boiling Water Reactor (BWR)	A common nuclear power reactor design in which water flows upward through the core, where it is heated by fission and allowed to boil in the reactor vessel. The resulting steam drives turbines, which activate generators to produce electrical power.						
Capital Expenditures	Investments made by an organization in buildings, equipment, property, and systems where the expense is depreciated. This does not include expenditures for consumable materials, other operating expenses, and salaries associated with normal business operations.						
Customer	Any organization (external or internal entity) for which your organization manufactures/processes any product comprised of, or containing, uranium in any form.						
Conventional Mining	The act of removing uranium ore from deep underground shafts or shallow open pits.						
Defense-related Activities	Any product or service that your organization produces that is ultimately used by the U.S. Government for defense purposes, whether by the armed services, the Department of Defense, or any other U.S. Government entity.						
Depleted Uranium (DU)	Uranium in which the percentage fraction by weight of U-235 is less than 0.711 percent.						
Development	The design, simulation, and testing of a prototype, including experimental software or hardware systems, to validate technological feasibility or concept of operation in order to reduce technological risk, or provide test systems prior to production approval.						
Enriched Uranium	Includes enriched uranium oxide, enriched uranium hexafluoride, and other enriched uranium. Uranium enriched in U-235 and its compounds: alloys, dispersions (including cermets), ceramic products, and mixtures containing uranium enriched in U-235.						
Exports	Shipments to destinations outside the United States.						
Facility	A building or the minimum complex of buildings or parts of buildings that conduct mining, milling, conversion, enrichment, fuel fabrication, and/or nuclear power generation-related operations, in which an organization operates to serve a particular function, producing revenue, and incurring costs for the company. A facility may produce an item of tangible or intangible property or may perform a service. It may encompass a floor or group of floors within a building, a single building, or a group of buildings or structures. Often, a facility is a group of related locations at which organization employees work, together constituting a profit-and-loss center for the company, and it may be identified by a unique DUNS number.						
Foreign Corrupt Practices Act of 1977 (FCPA) 15 U.S.C. §§ 78dd-1	The Foreign Corrupt Practices Act (FCPA), enacted in 1977, generally prohibits the payment of bribes to foreign officials to assist in obtaining or retaining business. The FCPA can apply to prohibited conduct anywhere in the world and extends to publicly traded companies and their officers, directors, employees, stockholders, and agents. Agents can include third party agents, consultants, distributors, joint-venture partners, and others.						

	Definitions
Term	Definition
Fuel Assemblies	A structured group of fuel rods. These are long, slender, metal tubes containing pellets of fissionable material, which provide fuel for nuclear reactors.
Fuel Elements	Includes fuel rods or fuel pellets, non-irradiated, and other parts thereof.
Fuel Fabrication	The last step in the process of turning uranium into nuclear fuel rods, whereby enriched UF6 is converted to uranium dioxide powder that is pressed into pellets and inserted into fuel rods, which are grouped together to form fuel assemblies.
Full Time Equivalent (FTE) Employees	Employees who work for 40 hours in a normal work week. Convert part-time employees into "full time equivalents" by taking their work hours as a fraction of 40 hours.
Global Headquarters	A location that serves as the organization's hub of worldwide operations with all global branches or divisions reporting to it.
Harmonized Tariff Schedule (HTS)	A 10-digit numbering system that classifies a good based on its name, use, and/or the material used in its construction. The number provides Customs and Border Protection (CBP) with a standardized method of tracking all merchandise imported into the United States and sets out the tariff rates and statistical categories.
Import Value	Values reported should be landed, duty-paid values at the U.S. port of entry, including ocean freight and insurance costs, brokerage charges, and import duties (i.e., all charges except inland freight in the United States).
In Situ Recovery (ISR)	Formerly known as in situ leach recovery, ISR is the process where uranium ore is chemically altered underground before being pumped to the surface for further processing.
Inventory	The goods or materials an organization holds for its own use or for the ultimate goal of sale, or disposition or future conversion, enrichment, fabrication, or other use. This is material to which your organization has title; this does not include holding material for third-party use or storage.
Natural Uranium	Uranium with the same isotopic ratio as found in nature. This includes uranium ore and concentrates (U3O8) and natural uranium hexafluoride (UF6).
Non-U.S. Facility	A facility that is physically located outside of the United States.
Organization	A company, firm, laboratory, or other entity that owns or controls one or more U.S. establishment or facility capable of designing and/or manufacturing products in the mining, milling, conversion, enrichment, or fuel fabrication activities of the nuclear fuel cycle.
Pressurized Water Reactor (PWR)	A common nuclear power reactor design in which very pure water is heated to a very high temperature by fission, kept under high pressure (to prevent it from boiling), and converted to steam by a steam generator. The resulting steam is used to drive turbines, which activate generators to produce electrical power.
Product/Process Development	Conceptualization and development of a uranium or nuclear fuel-related product or system prior to the production of the product for customers (i.e., utilities, governmental agencies etc.).
Production	The process of transforming inputs (raw materials, semi-finished goods, subassemblies, ideas, information, knowledge) into goods or services.
Research & Development	Basic and applied research in the engineering sciences, as well as design and development of prototype products and processes. Efforts that an organization conducts towards innovating, introducing and/or improving products and processes.

	Definitions
Term	Definition
Russian Suspension Agreement	On October 16, 1992, the Department of Commerce suspended the antidumping duty investigations involving uranium imports from Russia on the basis of agreements by the country's government to restrict the volume of direct or indirect exports to the United States in order to prevent the suppression or undercutting of price levels of United States domestic uranium. The agreement expires in 2020.
Sales	All reported and unreported sales of uranium (natural, converted, enriched and/or fabricated), including sales to end-users, producers, conversion facilities, enrichers, financial entities, intermediaries, traders, distributors, et al.
Separative Work Unit (SWU)	The standard measure of enrichment services.
Spot Contract	Contracts with a one-time uranium delivery (usually) for the entire contracted volume, and the delivery typically occurs within one year of contract execution (signed date).
Supplier	An entity from which your organization obtains inputs, which may be goods or services. A supplier may be another organization with which you have a contractual relationship, or it may be another facility owned by the same parent organization.
Term Contract	Contracts with one or more uranium deliveries to occur after more than one year following the contract execution (signed date), and as such, may reflect some agreements of short (less than 2 years), medium (2-5 years), and long term (more than 5 years).
U.S. Department of Energy Uranium Transfer Program	The exchange of natural, enriched, or depleted uranium "tails," or uranium enrichment services between the U.S. Department of Energy and another party.
United States	The "United States" or "U.S." includes the 50 states, Puerto Rico, the District of Columbia, Guam, the Trust Territories, and the U.S. Virgin Islands.
Uranium Compounds	Includes uranium oxide, uranium hexafluoride, and other uranium compounds.
Uranium Concentrate	The end product of the mining and milling stage in which triuranium octoxide (U3O8) is produced.
Uranium Conversion	The process whereby natural uranium in the form of an oxide is converted to natural uranium hexafluoride.
Uranium Metal (Depleted)	A byproduct of enrichment (tailings) or fission, Depletued Uranium (DU) has less than one-third of the concentration of U-235 and U-234 by weight. DU from fission (i.e., in reprocessed used nuclear fuel) is distinct because it also contains U-236.
Uranium Metal (Natural)	A lustrous silver-white metal that is radioactive, malleable, ductile, and softer than steel. It contains an isotopic ratio of 99.27% U-238, 0.72 % U-235, and 0.0055 % U-234 by weight.
Uranium Mill	A plant where uranium is separated from ore taken from mines, including both conventional mills and in situ recovery (ISR) plants.
Uranium Ore	Ore which contains uranium that has been obtained from conventional or in situ mining methods.
10 CFR § 40.42	Title and section of the U.S. Code of Federal Regulations that cover Nuclear Regulatory Commission's (NRC) regulation for the expiration and termination of licenses and decommissioning of sites and separate buildings or outdoor areas.
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			1: Orgai	nization Inform	ation				
	Provide the following information for your of	organization							
	Organization Name								
	Street Address								
	City								
	State								
Α.	ZIP Code								
	Country of Global Headquarters								
	U.S. Point of Contact Name								
	U.S. Point of Contact Email								
	U.S. Point of Contact Phone								
	Is this organization owned, in whole or in pa	art, by any priva	ate or government entity? Inc	dicate Yes/No,	then identify th	e entities below, if applicable	. List entities		
	with at least 5% ownership.								
						Global Headquarters	Global He	adquarters	
	Entity Name	Global Hea	dquarters Street Address	Global Head	quarters City	State/Province		ntry	Ownership %
В.									
		•							•
	At the global headquarters level, identify the		-	-				-	arch and
	development, and third party uranium mate	erial storage fac	cilities that your organization	currently oper	ates, including	standby/idle facilities, inside	and outside the	e U.S.	
		Activity			Num	ber of U.S. Facilities	Numb	er of Non-U.S.	Eacilitios
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	Uranium Milling								
C.	Uranium Conversion								
	Uranium Enrichment								
	Fuel Fabrication								
	Product Development & Design								
	Research & Development								
	Third Party Uranium Material Storage								
	Other	(spe	cifv)						
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	Comments:								
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						uisitions, Divestitures and Joint gers, Acquisitions, and Divesiture			
	From 2014-2018, record the total nu				el cycle activities,	including mining, milling, convers	ion,		
	enrichment, fuel fabrication, produc	ct development and de	esign, and R&D activities. Be su	re to report related private,	/public partnershi	ps in which your organization par	icipated.		
	Identify your organization's mergers	s, acquisitions, and div			1	1			1
	Organization Name	Type of Activity	% of Equity Held by Partner Organization	Partner Organization Country Headquarters	Year Initiated	Primary Scope of Activity	Primary Purpose of	of Activity	Explain
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						Joint Ventures		_	
	From 2014-2018, record the total nu						conversion,		
	enrichment, fuel fabrication, produc	t development and de	esign, and R&D, including public	c/private partnerships, in wi	hich your organiza	tion participated.			
	Identify your organization's joint ve	nture relationships be	low, if applicable.						
	Organization Name	Type of Joint Venture	% of Equity Held by Organization	Organization Country Headquarters	Year Initiated	Primary Scope of Relationship	Primary Purpose of F	Relationship	Explain
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	Comments:								
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						3a: Facility Information U.S. Facilities						
						e, including mining, milling, conversio r the total number, but each function						
						nd R&D, that are located in the United unctions, list the facility on separate li				whether the work is defense-re	lated, and any expected	d change in operations (e.
						Operating Stat	us		Defense-Related	2018 Production Volume		
U.S. Facility Name	City	State	Scope of Activity	Facility Type	Operating Status	Start Date of Standby/Idle or Decommissioning	Projected Completion/Operation	Status of Operating Permit	Activities?	Product	Volume	Expected Change 2
									-			
									+			
	-											
						Non-U.S. Facilities						
						uel cycle, including mining, milling, co	nversion, enrichment, fuel 1	fabrication, product development,				
				indes performing multiple funct	tions should be counted just once to	r the total number, but each function		below.				
ns (e.g. expansion, worker I				onversion, enrichment, or fuel fa	brication facilities, development &	r the total number, but each function design, and R&D, that are located out vides multiple functions, list the facili	should be listed separately side the United States, iden	tifying each facility's name, city, c	ountry, scope of work		vork is defense-related	, and any expected ch
ns (e.g. expansion, worker l				onversion, enrichment, or fuel fa	brication facilities, development &	design, and R&D, that are located out	should be listed separately side the United States, iden cy on separate lines, and inc	tifying each facility's name, city, c	ountry, scope of work r relevant information			and any expected ch
				onversion, enrichment, or fuel fa	brication facilities, development &	design, and R&D, that are located out vides multiple functions, list the facili	should be listed separately side the United States, iden cy on separate lines, and inc	tifying each facility's name, city, c	ountry, scope of work	separately.		
	ayoffs, shutdown, etc.) from 2019-2023. If th	ne facility produces uranium in	onversion, enrichment, or fuel fa any form, report the 2018 produ	brication facilities, development & uction volume. If a single facility pro	design, and R&D, that are located out vides multiple functions, list the facili Operating Stat Start Date of Standby/Idle or	should be listed separately side the United States, iden y on separate lines, and inc us Projected	tifying each facility's name, city, c dicate the scope of work and other	ountry, scope of work r relevant information Defense-Related	2018 Production	n Volume	
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	City City scheduled to close or) from 2019-2023. If th	ne facility produces uranium in	onversion, enrichment, or fuel fa any form, report the 2018 produ	brication facilities, development & uction volume. If a single facility pro	design, and R&D, that are located out vides multiple functions, list the facili Operating Stat Start Date of Standby/Idle or	should be listed separately side the United States, iden y on separate lines, and inc us Projected	tifying each facility's name, city, c dicate the scope of work and other	ountry, scope of work r relevant information Defense-Related	2018 Production	n Volume	

nization does not own any u	indeveloped uranium	deposits inside the	U.S., select 'Not Applicable'	and proceed to 3c. Oth	erwise, list below any un	developed uranium de	posits held by your organ	ization.						
							U.S. Undeveloped I	Deposits						
U.S. Location Name	County	State	Deposit Size (Acres)	Recovery Method	Measured Indicated	Inferred Resources	Estimated Per-Pound		Reserves and Resour	ces by Forward Cost (Up to \$100 per	Pounds) Greater than \$100	Primary Factor Affec	ting Development	Expected FTE Po
					Resources (Pounds)	(Pounds)	Production Cost	Pound	Pound	Pound	per Pound	Factor of Highest Impact	Degree of Impact	Recovery/Proc
										1			1	+
													+	
													+	
														_
					1	1	<u> </u>		1					
e any other factors impactir undeveloped U.S. deposits	ng your decision to ? If yes, describe.													
Comments														

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3c: Changes in U.S. Facility Operations, 1999 - Present ince 1999, identify any front-end uranium fuel cycle-related facility closings, relocations, corporate acquisitions or consolidations, or other major changes in operations (report as many as applicable). For each change, provide the location, type of facility, reasons for the change in operations (e.g., loss of market share to imports, loss/gain of

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market share from domestic competition, declining/increasing demand, low/high profitability, firm restructuring, other), and units of product impacted as well as number of full-time-equivalent (FTE) employees impacted. Denote reductions in parentheses (e.g. [50]). If a single facility has gone through multiple changes, list the facility on multiple lines and identify each separately. Impacted Products Location (City, State) Activity Type of Change Reason for Change Date of Change FTEs Impacted Explain Type of Change Product Number of Impacted Units 2 3 Λ 6 8 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 Answer the following questions about facility changes for part B, regarding facilities that are completely shut down, and part C, regarding facilities that are in standby/idle. After completing parts B and C, proceed to part D. If any of your organization's facilities are shut down completely, how long would it take, if possible, to restart operations at that shut down facility? For each facility that your organization operates, indicate the factors that might inhibit restarting operations and the degree of impact for each factor. Estimate the total costs associated with each factor, and then explain your reasoning for your choices. Possible to Estimated Time to Restart Estimated Total Cost to Restart (in Primary Factor Inhibiting Restart Estimated Cost of Each Factor (in Explain Facility Location (City, State) Restart? (in days) \$1000s USD) Factor \$1000s USD) Degree of Impact 1 2 3 5

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15 If any of		would it take, if p	ossible, to restart operation	ns at that facility? For each type of facilit	y that your organization operates, indi	cate the factors that m	ght inhibit operations and the degree of	impact for each factor. Estimate the total costs associated with each factor, and then explain your reasoning
15 If any of	of your organization's facilities are in standby/idle, how long v r choices.	would it take, if p	ossible, to restart operation	ss at that facility? For each type of facilit	y that your organization operates, indi	cate the factors that m	ght inhibit operations and the degree of	impact for each factor. Estimate the total costs associated with each factor, and then explain your reasoning
15 If any of	r choices.			ns at that facility? For each type of facilit Estimated Total Cost to Restart (in	y that your organization operates, indi			
15 If any of							ght inhibit operations and the degree of Estimated Cost of Each Factor	impact for each factor. Estimate the total costs associated with each factor, and then explain your reasoning Explain
15 If any of	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		impact for each factor. Estimate the total costs associated with each factor, and then explain your reasoning Explain
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any of for your	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2 3	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2 3	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2 3	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		
15 If any o' for your 1 2 3	r choices.	Possible to	Estimated Time to Restart	Estimated Total Cost to Restart (in	Primary Factor Inhibitin	g Restart		

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	Answe	r the following questions about postponement of decomissioning, and the costs as	associated with maintainin	ig facilities in standby/idle.			
	1	If any of your facilities are in standby/idle, have you filed for a postponement		If yes, explain:			
		of decommissioning under 10 CFR § 40.42?					
D.							
U.							
	2	If any of your facilities are in standby/idle, do you plan on filing for a postponement of decommissioning under 10 CFR § 40.42 in the future?		If yes, explain:			
	-	postponement of decommissioning under 10 CFR § 40.42 in the future?					
	3	Describe the costs associated with maintaining a facility in standby/idle.					
		Comments:					
		comments:					
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					4a: U.S. Productio	n														
Identify the quantity of each uranium type produced and			lities for the 2014 to	2018 period. Reco	ord the projected an	nount of uranium y	our organization w	ill produce in 2019	(estimates accepte	ed). Record the amo	ounts in the measu	rements specified								
in parentheses next to each type, as well as the equivale	ent amount in Kg U-	235.																		
	r		7	Ura	inium Ore and Con	entrates														
Select 'Not Applicable' if the category of products below is not relevant to your organization.																				
Type of Uranium	20)14	20	015	2	016	20	17	2	018	2019 (P	rojected)								
A. HTS Code: 2612.10.00.00	Pounds of U3O8	Equivalent	g Pounds of U3O8	Equivalent	g Pounds of U3O8	Equivalent	Pounds of U3O8	Equivalent	Pounds of U3O8	Equivalent Amount of Kg		Equivalent Amount of Kg								
	1 001103 01 0300	U-235		U-235	5 1 001103 01 0 500	U-235	1 001103 01 0500	U-235	1 001103 01 0508	U-235	1 001103 0 500	U-235								
Uranium Ore (Pounds of U3O8) Uranium Concentrate (Pounds of U3O8)																				
				Natu	ral Uranium (Not Co	ompounds)	1													
Select 'Not Applicable' if the category of products below is not relevant to your organization.																				
Type of Uranium	20)14	20	015	2	016	20	17	21)18	2019 (P	rojected)								
В.		Equivalent		Equivalent		Equivalent	20	Equivalent		Equivalent	2015 (1	Equivalent								
HTS Code: 2844.10.10.00 (Metal) HTS Code: 2844.10.50.00 (Other)	Kg U	Amount of K U-235	g Kg U	Amount of K U-235	g Kg U	Amount of Kg U-235		Uranium Metal (Kg U) Other (Kg U)												
			_		Uranium Compou	inds														
Select 'Not Applicable' if the category of products below is not relevant to your organization.																				
Type of Uranium	20)14	20	015	2	016	20	17	2	018	2019 (P	rojected)								
C.		Equivalent		Equivalent		Equivalent		Equivalent		Equivalent		Equivalent								
HTS Code: 2844.10.20	Kg U	Amount of K U-235	g Kg U	Amount of K U-235	g Kg U	Amount of Kg U-235		Uranium Compounds - Oxide (Kg U)	-											
Uranium Compounds - Hexafluoride (Kg U) Uranium Compounds - Other (Kg U)																				
		ų.		•	Depleted Urania	im	1		1											
Select 'Not Applicable' if the category of products below is not relevant to your organization.																				
Type of Uranium	20)14	20	015	2	016	20	17	2	018	2019 (P	rojected)								
D. HTS Code: 2844.30.20 (Compounds and Other)		Equivalent		Equivalent		Equivalent		Equivalent		Equivalent		Equivalent								
HTS Code: 2844.30.20 (Compounds and Other)	Kg U	Amount of K U-235	g Kg U	Amount of KI U-235	g Kg U	Amount of Kg U-235		Depleted Uranium - Oxide (Kg U) Depleted Uranium - Fluorides (Kg U)												
Depleted Uranium - Other (Kg U)	-																			
Depleted Uranium - Metal (Kg U)																				
	-				Enriched Uraniu	Im														
Select 'Not Applicable' if the category of products below is not relevant to your organization.																				
Type of Uranium	20)14	20	015	2	016	20	17	2	018	2019 (P	rojected)								
E. HTS Code: 2844.20.00	Kg U	Equivalent Amount of K	g Kg U	Equivalent Amount of K		Equivalent Amount of Kg		Equivalent Amount of Kg	Kg U	Equivalent Amount of Kg	Kg U	Equivalent Amount of Kg								
Enriched Uranium - Oxide (Kg U)		U-235		U-235		U-235		U-235		U-235		U-235								
Enriched Uranium - Hexafluoride (Kg U)																				
Enriched Uranium - Other (Kg U)					Fuel Assemblie															
Select 'Not Applicable' if the category of products below is not relevant to your organization.					Tuer Assemblie															
Type of Uranium	20	14 Equivalent	20	D15 Equivalent	2	D16 Equivalent	20	17 Equivalent	2	018 Equivalent	2019 (P	rojected) Equivalent								
HTS Code: 8401.30.00.00	Unit Specified		g Unit Specified		g Unit Specified		Unit Specified		Unit Specified		Unit Specified	Amount of Kg U-235								
PWR (Finished Fuel Assembly Units)																				
Average Total LEU Contained in each PWR Fuel																				
Assembly (KgU) BWR (Finished Fuel Assembly Units)										I										
Average Total LEU Contained in each BWR Fuel																				
Assembly (KgU) Other (Finished Fuel (creatify)		1		1		1														
Assembly Units) (specify) Average Total LEU Contained in each Other Fuel												1								
Average Total EEO Contained in each Other Fuel Assembly (KgU)																				
Comments:																				
			BUSINESS	CONFIDENTIAL - I	Per Section 705(d) o	of the Defense Proc	luction Act													

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Anguart	he following questions about U.S. prod	luction and production conacity in parts	4b: U.S. Production (Continued)					
		luction and production capacity in parts	A and b below.					
-	Answer the following regarding produc	tion capacity of 0.5. facilities.						
А.	If any of your organization's facilit 1 at full capacity, describe the facto a decision to increase production	rs that might influence						
	2 Describe the circumstances associ at full capacity, and explain how lo might take for your organization t to full capacity.	ong, on average, it						
		cilities, provide the operating production facility on multiple lines and identify early and the second s	on capacity, licensed production capacity, actual production, average margin ach separately.	al production cost per un	it (2018 only), and the a	verage utilization rate to	o maintain profitability (2	2018 only). If a single
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
1			Licensed Production Capacity					
1			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
2			Licensed Production Capacity					-
			Actual Production Average Marginal Production Cost per Unit					
				_				
_	Escility Name	Uranium Tuno	Average Utilization Rate Required to Maintain Profitability	2014	2015	2010	2017	2010
	Facility Name	Uranium Type	Production and Inventory Operating Production Capacity	2014	2015	2016	2017	2018
			Licensed Production Capacity					
3			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability	_				
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
	····, ···		Operating Production Capacity	2011	2013	2010	2017	2010
			Licensed Production Capacity					
4			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
5			Licensed Production Capacity					
5			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
6			Licensed Production Capacity					
			Actual Production		L	L	L	
			Average Marginal Production Cost per Unit	_				
_	Facility Name		Average Utilization Rate Required to Maintain Profitability	2014	2015	2016	2017	2010
-	Facility Name	Uranium Type	Production and Inventory Operating Production Capacity	2014	2015	2016	2017	2018
			Licensed Production Capacity					
7			Actual Production	-	+	+	+	+
			Average Marginal Production Cost per Unit		L	I	I	
			Average Utilization Rate Required to Maintain Profitability					
-	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
в.		, pc	Operating Production Capacity	2014	2015	2010	2017	2010
	I				I	I	I	1

	1		Licensed Production Capacity					
8			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability	-				
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity	2011	2010	2010	2017	2010
			Licensed Production Capacity					
9			Actual Production					
			Average Marginal Production Cost per Unit		1			
			Average Utilization Rate Required to Maintain Profitability	-				
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
	,	<i>n</i>	Operating Production Capacity					
			Licensed Production Capacity					
10			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
			Licensed Production Capacity					
11			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity				-	
12			Licensed Production Capacity					
12			Actual Production					
			Average Marginal Production Cost per Unit				•	
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
12			Licensed Production Capacity					
13			Actual Production					
			Average Marginal Production Cost per Unit				•	
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
14			Licensed Production Capacity					
14			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability					
	Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
			Operating Production Capacity					
15			Licensed Production Capacity					
15			Actual Production					
			Average Marginal Production Cost per Unit					
			Average Utilization Rate Required to Maintain Profitability					
	Comments:							
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4c: U.S. Production (Continued)

For U.S. operations, provide the U.S. sales and export sales data for the 2014 to 2018 period for the below products. Include projected data for 2019 (estimates accepted). Sales includes shipments, book transfers, swaps, and trades. Record \$ in Thousands USD, e.g. \$12,000.00 = survey input of \$12

Record	\$ in Thousands USD, e.g. \$12,00	0.00 = survey input of \$12						
	Uranium Type	U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)						
1		U.S. Sales (\$)						
		Export Sales (Units)						
	Uranium Type	Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
	oralian rype	U.S. Sales (Units)	2014	2013	2010	2017	2018	2015 (Flojecteu)
2		U.S. Sales (\$)						
		Export Sales (Units)						
		Export Sales (\$)						
	Uranium Type	Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)						
3		U.S. Sales (\$)						
		Export Sales (Units)	-					
	Uranium Type	Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)	2014	2015	2010	2017	2010	2015 (Hojected)
4		U.S. Sales (\$)						
		Export Sales (Units)						
		Export Sales (Units) Export Sales (\$) U.S. and Export Sales						
	Uranium Type	U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
_		0.5. 50(0) (0)						
5		U.S. Sales (\$) Export Sales (Units)						
	Uranium Type	Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)	2014	2015	2010	2017	2010	Lors (Hojected)
6		U.S. Sales (\$)				İ		İ
		Export Sales (Units)						
		Export Sales (\$) U.S. and Export Sales						
	Uranium Type	U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
-		U.S. Sales (Units)	_					
7		U.S. Sales (\$) Export Sales (Units)						
		Export Sales (\$)						
	Uranium Type	U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)	2014	2015	2010	2017	2010	2015 (Frojected)
8		U.S. Sales (\$)						1
		Export Sales (Units)						
		Export Sales (\$)						
	Uranium Type	Export Sales (only) Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)						
9		U.S. Sales (\$)	_					
		Export Sales (Units)						
_	Uranium Type	Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
	ordinani rype	U.S. Sales (Units)	2014	2015	2010	2017	2010	2015 (Hojected)
10		U.S. Sales (\$)						
		Export Sales (Units)						
		Export Sales (\$)						
	Uranium Type	U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)						
11		U.S. Sales (\$)						
		Export Sales (Units)						
	Uranium Type	Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
	oraman rype	U.S. Sales (Units)	2014	2015	2010	2017	2018	2015 (FT0Jected)
13		U.S. Sales (\$)			1	1		ł
		Export Sales (Units)						
		Export Sales (\$)						
	Uranium Type	U.S. and Export Sales	2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)						
13		U.S. Sales (\$)						
		Export Sales (Units)						
	Uranium Type	Export Sales (\$) U.S. and Export Sales	2014	2015	2016	2017	2018	2010 (Basiantari)
	oranium rype	U.S. Sales (Units)	2014	2015	2016	2017	2018	2019 (Projected)
14		U.S. Sales (\$)			1			1
		Export Sales (Units)			1	1		ł
		Export Sales (\$) U.S. and Export Sales						
	Uranium Type		2014	2015	2016	2017	2018	2019 (Projected)
		U.S. Sales (Units)						
15		U.S. Sales (\$)						
		Export Sales (Units)						
		Export Sales (\$)			I	I		
		Comments:						
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		4d: Inventory and Pr	roduction Capacity		
	h type of uranium-bearing product produced or sold by your your organization's facilities as well as inve			I.S. or non-U.S. facilities at the end o	f calendar year 2018. Include
	Type of Product in Inventory at any Facility	Average Amount in Inventory	Location	of Inventory	Average Length of Time in
	Type of Froduce in Inventory at any Facility	Average Amount in inventory	U.S. Location (State)	Non-U.S. Location (Country)	Inventory (in days)
	1				
	2				
	3				
	4				
	5 6				
1					
	8				
	9				
	10				
Α.	11				
	12 13				
	13				
	15				
	Does your organization have an excess of source				
	materials or enriched materials beyond normal				
	business needs?				
2	If yes, explain the factors contributing to the excess in inventory, and include whether the location of the inventory is primarly U.S. or Non-U.S. based. Explain what impact this has had on your business operations.		•		
	and impact this has had on your business operations.				
	Comments:				
		BUSINESS CONFIDENTIAL - Per Section	705(d) of the Defense Producti	on Act	

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		5: F	inancials			
Pro	vide the following financial line items for you	r organization's ur	anium and nuclea	r fuel processing-re	elated U.S. operati	ons below for
the	2014 to 2018 period.					
А.	Income Statement (Select Line Items)	Rec	ord \$ in Thousand	ls, e.g. \$12,000.00	= survey input of	\$12
А.	income statement (select line items)	2014	2015	2016	2017	2018
1	Net Sales (and other revenue)					
2	Cost of Goods Sold					
3	Total Operating Income (Loss)					
4	Earnings Before Interest and Taxes					
5	Net Income					
		Rec	ord \$ in Thousand	s, e.g. \$12,000.00	= survey input of	\$12
	Balance Sheet (Select Line Items)	2014	2015	2016	2017	2018
6	Cash					
7	Inventories					
8	Total Current Assets					
9	Total Assets					
10	Total Current Liabilities					
11	Total Liabilities					
12	Retained Earnings					
13	Total Owner's Equity					
В.	Answer the following questions related to yo	our organization's	uranium and nucle	ear fuel processing	-related tax exper	ditures.
		2014	2015	2016	2017	2018
1	Federal Taxes Paid					
2	State Taxes Paid					
3	Local Taxes Paid					
	Comments:					
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	6: Capital Expenditure	!S			
Record your organization's uranium and nuclear fuel processing-related	capital expenditures corresponding to the select cat	egories below for the 2014 to	2018 period.		
Capital Expenditure Activity Type		Record \$ in Thousand	ds, e.g. \$12,000.00 = surv	vey input of \$12	
rd your organization's uranium and nuclear fuel processing-related capital expenditures Capital Expenditure Activity Type Total Capital Expenditures Machinery, Equipment, and Vehicles [as a % of A] IT, Computers, Software [as a % of A] It, Computers, Software [as a % of A] Other (Specify) [as a % of A] Other (Specify) [as a % of A] of the below categories, indicate whether your organization experienced significant cha what factors have been affecting changes in your organization's capital expenditures from ompetition, and declining uranium prices. I Machinery, Equipment, and Vehicles IT, Computers, Software Itand, Buildings, and Leasehold Improvements A duckinery, Equipment, and Vehicles Itand, Buildings, and Leasehold Improvements I Machinery, Equipment, and Vehicles IT, Computers, Software Itand, Buildings, and Leasehold Improvements I Other (Specify) I Comments:	2014	2015	2016	2017	2018
d your organization's uranium and nuclear fuel processing-related capital expenditures Capital Expenditure Activity Type Total Capital Expenditures Machinery, Equipment, and Vehicles [as a % of A] IT, Computers, Software [as a % of A] Other (Specify) [as a % of A] Other (Specify) [as a % of A] I through 5 must total 100% r the below categories, indicate whether your organization experienced significant charat factors have been affecting changes in your organization's capital expenditures frompetition, and declining uranium prices. Machinery, Equipment, and Vehicles IT, Computers, Software Land, Buildings, and Leasehold Improvements Other (Specify) Other (Specify) Comments: Comments:					
1 Machinery, Equipment, and Vehicles [as a % of A]					
2 IT, Computers, Software [as a % of A]					
3 Land, Buildings, and Leasehold Improvements [as a % of A]					
4 Other (Specify) [as a % of A]					
5 Other (Specify) [as a % of A]					
Lines 1 through 5 must total 100%	0%	0%	0%	0%	0%
competition, and declining uranium prices.	Yes/No	If Yes, Type of Change		vey input of \$12 2017 2018 0 0 0% 0% ures over the past ten years (2009-2018). Explain	
B	Tes/NO	if res, type of change		Explain	
1 Machinery, Equipment, and Vehicles					
2 IT, Computers, Software					
3 Land, Buildings, and Leasehold Improvements					
4 Other (Specify)					
5 Other (Specify)					
Comments:					
	BUSINESS CONFIDENTIAL - Per Section 705(d) of	the Defense Production Act			

<u>Previ</u>	vious Page		7: Research & Development			Next Page
	Has your organization conducted uranium and/or nuclear fuel pr research and development (R&D) in the past ten years?	ocessing-related	If no, proceed to Section 8.			
Reco	ord your organization's total R&D dollar expenditures and type of	R&D expenditure for the 2014 to	2018 period.			
				, e.g. \$12,000.00 = survey input		
-	1 Total R&D Expenditures	2014	2015	2016	2017	2018
в. –	2 Basic Research [as a % of B1]					
	3 Applied Research [as a % of B1]					
	4 Product/Process Development [as a % of B1]					
	5 Total of 2 - 4 [must equal 100%]	0%	0%	0%	0%	0%
	6 Uranium and/or nuclear fuel processing-related R&D [as a % of B1]					
Ident	tify your organization's R&D funding sources, by percent total of	R&D dollars sourced.				
		2014	Record \$ in Thousands, 2015	, e.g. \$12,000.00 = survey input 2016	2017	2018
C	1 Total R&D Funding Sources 2 Internal/Self-Funded/IRAD [as a % of C1] 3 Total Federal Government [as a % of C1] 4 Total State and Local Government [as a % of C1] 5 Universities - Public and Private [as a % of C1] 6 U.S. Industry, Venture Capital, Non-Profit [as a % of C1] 7 Non-U.S. Investors (as a percent of C1) 8 Other (specify here)	2014				
	9 Total of 2 - 8 (must equal 100%)	0%	0%	0%	0%	0%
D.	From 2014-2018, were your investments in R&D related to u I I If yes, identify the reasons for these constraints:	ranium and/or nuclear fuel proce	essing constrained by diminished financial s	upport?		
	Comments:					
		BUSINESS CONFIDEN	TIAL - Per Section 705(d) of the Defense Pr	roduction Act		

Previous Page	Next Page
Section 8: Imports	
In Section 8 you will be asked to identify the suppliers, country of origin, manufacturer, end use, value, and volume for imports of uranium products. This information is subcategorized by different comi	binations of imports and end users. For the purpose of this
survey, the different combinations of imports and end users of import subcategories have been divided into 6 general categories, as detailed below.	
The list below contains links that can move you to a particular product and/or service segment. Identify each general category in which your organization imports uranium products. After completing	this page you may skip to the sections with the import
category that are applicable to your organization, but be sure to review all segments to ensure you do not omit any required information.	
Imports categorized under each subcategory:	
Subcategory A: Only complete if your organization provides milling services. List any uranium material imported into the U.S. that your organization receives for milling services. Subcategory A should	include both material imported into the U.S. that is then
re-exported out of the U.S. after milling services are completed and material imported into the U.S. for milling services that then stays in the U.S. after milling services are completed.	
	should include both material imported into the U.C. that
Subcategory B: Only complete if your organization provides conversion services. List any uranium material imported into the U.S. that your organization receives for conversion services. Subcategory B is then re-exported out of the U.S. after conversion services are completed and material imported into the U.S. for conversion services that then stays in the U.S. after conversion services are completed	•
is the re-exported out of the 0.3, after conversion services are completed and material imported into the 0.3. for conversion services that then stays in the 0.3, after conversion services are completed	1.
Subcategory C: Only complete if your organization provides enrichment services. List any uranium material imported into the U.S. that your organization receives for enrichment services. Subcategory	C should include material imported into the U.S. that is
then re-exported out of the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that then stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that the stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that the stays in the U.S. after enrichment services are completed and material imported into the U.S. for enrichment services that the services are completed and material imported into the U.S. after enrichment services are completed and material imported into the U.S. after enrichment services are completed and material imported into the U.S. after enrichment services are completed and material imported into the U.S. after enrichment services are completed and material imported into the U.S. after e	•
Subcategory D: Only complete if your organization provides fuel fabrication services. List any uranium material imported into the U.S. that your organization receives for fuel fabrication services. Subc	ategory D should include material imported into the U.S.
that is then re-exported out of the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. for fuel fabrication services that then stays in the U.S. after fuel fabrication services are completed and material imported into the U.S. after fuel fabrication services are completed and material imported into the U.S. after fuel fabrication services are completed and material imported into the U.S. after fuel fabrication services are completed and material imported into the U.S. after fuel fabrication services are completed and material imported into the U.S. after fuel fabrication services are completed and material imported into the U.S. after fuel fabrication services are completed are completed are completed are completed are completed are completed are completed are completed are completed are completed are completed are completed are completed are completed are completed are complet	ces are completed.
Subcategory E: Only complete if your organization has imported uranium into the U.S. for the sole purpose of increasing commercial inventory and/or for market resale.	
Subcategory F: Only complete if your organization has imported uranium into the U.S. for any other reason not previously covered.	
Subcategory Product and Service Category	Applicable To Your Organization
A Uranium imported into the U.S. for milling services.	
B Uranium imported into the U.S. for conversion services.	
C Uranium imported into the U.S. for enrichment services.	
D Uranium imported into the U.S. for fuel fabrication services.	
E Uranium imported into the U.S. for commercial inventory and/or market resale.	
F Uranium imported into the U.S. for any form for a reason not previously covered.	
BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act	

revious Page	<u>e</u>						8a: Imports - Milling											<u>Next P</u>
	N IS NOT APPLICABLE BASED (
SECTION	IS NOT APPLICABLE BASED (IN ANSWERS PROVIDED IN SI	CTION 8, PROCEED TO NEX	I SECTION														
TE THE UN	NITS OF MEASURE IN THE HEA	DINGS. E.G. URANIUM ORE SH	IOULD BE RECORDED IN POL	JNDS.														
							Uranium Ore (Pounds)											
entify your	organization's total number o sary, input 0.	f suppliers for Uranium Ore.																
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	015	2	016	2	017	7	2018
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ntify your	organization's total number o	f suppliers for Uranium																
ncentrate.	Where necessary, input 0.		Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	015	2	016	2	017	7	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (
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	organization's total number o	f suppliers for Uranium Metal.					oranian metar (ngo)											
here neces	sary, input 0.		Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	015	2	016	2	017	7	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$
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	organization's total number o ot Compounds. Where necessa																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	015	2	016	2	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$
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mpounds -	 Oxide. Where necessary, input 	JE U.	Country of Hearthan One	No. 6			If re-exported outside of			014		015	-	016	-	017		2018
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fy your organization's total nun ounds - Hexafluoride. Where n						ium Compounds - Hexafluoride											
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y your organization's total nur	nber of suppliers for Uranium				ι	Jranium Compounds - Other (Kgl	(1										
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fy your organization's total nun um - Oxide. Where necessary, i	nber of suppliers for Depleted nput 0.																
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um - Fluorides. Where necessa		Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	015		2016	20)17	20	18
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6

THIS SECTION IS NOT APPLICABLE BASED ON ANSWERS PROVIDED IN SECTION 8, PROCEED TO NEXT SECTION

8b: Imports - Conversion Services

2018

2018

2018

2018

Units Value (\$USD)

2018 Value (\$USD) Units Value (\$USD)

Value (\$USD)

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Value (\$USD)

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Previous Page

THIS SECTION IS NOT APPLICABLE BASED ON ANSWERS PROVIDED IN SECTION 8, PROCEED TO NEXT SECTION

8c: Imports - Enrichment Services

2018

Units Value (\$USD)

2018

2018

Units Value (\$USD)

2018

Value (\$USD)

2016

2016

2016

2016

Value (\$USD)

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	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act	Co	omments:																	

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8d: Imports - Fuel Fabrication Services

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THIS SECTION IS NOT APPLICABLE BASED ON ANSWERS PROVIDED IN SECTION 8, PROCEED TO NEXT SECTION

NOTE THE UNITS OF MEASURE IN THE HEADINGS. E.G. URANIUM ORE SHOULD BE RECORDED IN POUNDS.

NOTE III		IEADINGS, E.G. ONAMOM ONE S		01005.														
dentify	our organization's total numbe	er of suppliers for Uranium Ore.]			Uranium Ore (Pounds)											
Where n	ecessary, input 0.																	
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different		Book Transfer?	If re-exported outside of the U.S., provide country of	End-Use		014		2015		2016		017		2018
			Origin	from exporting company)	applicable		final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1																		
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4 4 5																		
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7																		
9																		
10						L	Jranium Concentrate (Pounds	U308)										
	our organization's total number																	
Concenti	ate. Where necessary, input 0.																	
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different		Book Transfer?	If re-exported outside of the U.S., provide country of	End-Use		014		2015		2016		017		2018
			Origin	from exporting company)	applicable		final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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3																		
B 4																		
6																		
7																		
9																		
10																		
				1			Uranium Metal (KgU)											
	our organization's total numbe here necessary, input 0.	er of suppliers for Uranium																
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		2	014		2015		2016	2	017		2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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2																		
c 4																		
5																		
7																		
8																		
10																		
				1		Na	tural Uranium - Not Compoun	ds (KgU)							·		·	
	our organization's total numbe - Not Compounds. Where nece																	
namum	- Not compounds. Where nece	essary, input o.					If re-exported outside of		1	014		2015		2016	2	017		2018
	Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of	End-Use	Units	Value (\$USD)		Value (\$USD)	Units	Value (\$USD)		Value (\$USD)		Value (\$USD)
1			ongin	non exporting company,	applicable		final use		Units	value (303D)	Units	Value (303D)	Units	value (3030)	Units	value (503D)	Units	value (503D)
2																		
3 D 4																		
5																		
6																		
8																		
9																		
10							Uranium Compounds - Oxide ((Kg11)										
dentify	our organization's total numbe	er of suppliers for Uranium																
	nds - Oxide. Where necessary, i																	
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		2	014		2015		2016	2	017		2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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2																		
E 4																		
5																		
0											1		1					

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						Urai	nium Compounds - Hexafluori	de (KgU)										
	ganization's total number of s exafluoride. Where necessary																	
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		20	014	2	015		2016	2	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
							maruse											
																		_
			1				Uranium Compounds - Other ((KgU)										
	ganization's total number of her. Where necessary, input:																	
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		20	014	2	015		2016	2	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
																		-
															_			
							Dealated Usersium Ouide (//	-10										
	ganization's total number of	upplion for Doplated					Depleted Uranium - Oxide (K	goj										
n - Oxide	. Where necessary, input 0.	uppliers for Depleted																
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		20	014	2	015		2016	2	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
							marasc											
																		_
						[Depleted Uranium - Fluorides I	(KgU)										
	ganization's total number of ides. Where necessary, input																	
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		20	014	2	015		2016	2	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
																		_
																		_
wour or	ranization's total number of	uppliers for Depleted					Depleted Uranium - Other (K	gU)										
	ganization's total number of r. Where necessary, input 0.	uppliers for Depleted																
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		20	014	2	015	-	2016	2	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu

						Developed Hanging Martal (K	-11)										
your organization's total number of	suppliers for Depleted					Depleted Uranium - Metal (K	gU)										
- Metal. Where necessary, input 0.	suppliers for Depleted																
				<i>a a i i</i>		If re-exported outside of		2	014	20	015	2	016	20	017	2	2018
Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of	End-Use	Units	Value (\$USD)		Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	
		Oligin	from exporting company)	applicable		final use		Units	value (\$05D)	Units	value (SUSD)	Units	value (\$05D)	Units	value (SUSD)	Units	Value
																	_
																	_
																	_
						Enriched Uranium Oxide (Kg	U)										
your organization's total number of	suppliers for Enriched																
- Oxide. Where necessary, input 0.																	
		Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		2	014	20	015	2	016	20	017	2	2018
Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
						final use		Units	value (505D)	Onits	value (\$05b)	Units	value (\$050)	onits	value (5050)	Onits	van
																	_
												_		_			
					Er	nriched Uranium Hexafluoride	(KgU)										
your organization's total number of	suppliers for Enriched																
- Hexafluoride. Where necessary, in																	
						If re-exported outside of			014	20)15	2	016	21)17		2018
Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	the U.S., provide country of	End-Use		.014	20	115	2	J10	20)1/	2	2018
Supplier	Supplier freadquarters	Origin	from exporting company)	applicable	book manater:	final use	Lind Obc	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Val
																	_
																	-
		1			1	Enriched Uranium - Other (Kg	z(J)		11						1		-
your organization's total number of	suppliers for Enriched																
- Other. Where necessary, input 0.	suppliers for Efficience																
other: Where necessary, input o.						If an average distribution of											
Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	If re-exported outside of the U.S., provide country of	End-Use	4	014	20	015	2	016	20	017	2	2018
Supplier	Supplier freadquarters	Origin	from exporting company)	applicable	book manater:	final use	Ling-036	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Val
																	-
					FredAr	philos (DW/R_R)*/D_ra Oth	Einishod Units'	l									
					Fuel Assen	nblies (PWR, BWR, or Other) (I	rinished Units)										
your organization's total number of	suppliers for Fuel																
ies. Where necessary, input 0.																	
Supplier	Cuppling Handmarks	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if	Rook Treate 2	If re-exported outside of	End Lice	2	014	20	015	2	016	20	017	2	2018
Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	BOOK Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Val
						maluse											
											1						
Commente																	
Comments:																	

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8e: Imports - Commercial Inventory and/or Market Resale

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THIS SECTION IS NOT APPLICABLE BASED ON ANSWERS PROVIDED IN SECTION 8, PROCEED TO NEXT SECTION

NOTE THE UNITS OF MEASURE IN THE HEADINGS. E.G. URANIUM ORE SHOULD BE RECORDED IN POUNDS.

							Uranium Ore (Pounds)											
Identify y	our organization's total numbe	r of suppliers for Uranium Ore		1			oraniani ore (roanas)											
	ecessary, input 0.	i of suppliers for oralifull ore.																
							If re-exported outside of		2	014	2	015	2	016	2	017	20	018
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	the U.S., provide country of	End-Use										
			Origin	from exporting company)	applicable		final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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8																		
9																		
10																		
						ι	Jranium Concentrate (Pounds	U3O8)										
Identify y	our organization's total numbe	r of suppliers for Uranium																
	ate. Where necessary, input 0.																	
							If re-exported outside of		2	014	2	015	2	016	21	017	20	018
	Supplier	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?		End-Use										
		Supplier rieudquarters	Origin	from exporting company)	applicable	book mansfer.	final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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7											-							
8																		
8																		
9																		
10																		
			-				Uranium Metal (KgU)											
Identify y	our organization's total numbe	r of suppliers for Uranium																
Metal. W	here necessary, input 0.																	
							If re-exported outside of		2	014	2	015	2	016	2	017	20	018
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	the U.S., provide country of	End-Use	2						20		20	
	Supplier	Supplier Heauquarters	Origin	from exporting company)	applicable	BOOK Hallstel!	final use	Liiu-03c	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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6									-		-	-						
7									-		-	-						
8																		
9																		
-																		
10																		
			-			Na	tural Uranium - Not Compound	as (KgU)										
Identify y	our organization's total numbe	r of suppliers for Natural																
	- Not Compounds. Where nece																	
							If re-exported outside of					045						
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	the U.S., provide country of	End-Use	2	014	2	015	2	016	20	017	20	018
	Supplier	Supplier Heauquarters	Origin	from exporting company)	applicable	BOOK Hallstel!	final use	Enu-use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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							Uranium Compounds - Oxide (KgU)										
Identify	our organization's total numbe	r of suppliers for Uranium																
	nds - Oxide. Where necessary, i																	
compour	onder ondere necessally, i																	
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		2	014	2	015	2	016	2	017	20	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
			Crigin	tion exporting company,	opplicable		final use		Units	value (5050)	onits	value (\$05D)	onits	value (\$050)	onits	value (2020)	onits	value (503D)
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8																		
10																		
ify your organizati	ion's total number of	suppliers for Uranium				Ura	nium Compounds - Hexafluorid	le (KgU)										
	ride. Where necessar																	
Sup	pplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?	If re-exported outside of the U.S., provide country of	End-Use)14 Value (\$USD)		Value (\$USD)	Units	Value (\$USD)	2 Units	017 Value (\$USD)	2 Units	2018
1			Ungin	nom exporting company)	applicable		final use		Units	value (SUSD)	Units	value (SUSD)	Units	value (SUSD)	Units	value (SUSD)	Units	Value (\$
2																		
4																		
5																		-
7																		
9																		
10							Uranium Compounds - Other (H	(gU)										4
	ion's total number of here necessary, input	suppliers for Uranium t 0.																
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of		20	014	20	15	2	016	2	017	2	2018
	pplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$
1 2																		
3																		
5																		
6 7																		
8																		
10							Depleted Uranium - Oxide (Kg	ξU)										
		suppliers for Depleted																
ium - Oxide. Wher	re necessary, input 0.						If re-exported outside of		20)14	20)15		2016		017		2018
Sup	pplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of	End-Use		Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	2 Units	Value (\$
1							final use									,		
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7 8																		
9 10																		
							Depleted Uranium - Fluorides (I	KgU)										
	ion's total number of /here necessary, input	suppliers for Depleted t 0.																
Sur	pplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	If re-exported outside of the U.S., provide country of	End-Use	20	014	20	15	1	1016	2	017	2	2018
-	ppilei	Supplier Headquarters	Origin	from exporting company)	applicable	book munisier.	final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$
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8 9																		
10							Depleted Uranium - Other (Kg	ξU)										<u> </u>
		suppliers for Depleted																
	re necessary, input 0.		Country of Lizznium Co-	Manufacturer/Processor (if different	Elag Swop, if		If re-exported outside of		20)14	20	15	2	2016	2	017	2	2018
Sup	pplier	Supplier Headquarters	Country of Uranium Ore Origin	from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of final use	End-Use		Value (\$USD)		Value (\$USD)		Value (\$USD)		Value (\$USD)		Value (\$
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							Depleted Uranium - Metal (K	gU)										
Identify your	organization's total number of	suppliers for Depleted	1															
Uranium - M	etal. Where necessary, input 0.																	
							If re-exported outside of		2	014	20)15	2	016	20)17	2	018
	Supplier	Supplier Headquarters	Country of Uranium Ore		Flag Swap, if	Book Transfer?	the U.S., provide country of	End-Use										
			Origin	from exporting company)	applicable		final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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К 4																		
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8									-									
9																		
10																		
							Enriched Uranium Oxide (Kg	ξU)										
Identify your	organization's total number of	suppliers for Enriched																
Uranium - Ox	kide. Where necessary, input 0.																	
							If re-exported outside of		2	014	20)15	2	016	20	017	2	018
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of	End-Use										
			Origin	from exporting company)	applicable		final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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10																		
						E	nriched Uranium Hexafluoride	(KgU)										
Identify your	organization's total number of	suppliers for Enriched																
	exafluoride. Where necessary, i																	
							If re-exported outside of		2	014	21)15	2	016	20)17	2	018
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	the U.S., provide country of	End-Use	2		20		2		20		2	
			Origin	from exporting company)	applicable		final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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M 4																		
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7																		
9																		
10																		
							Enriched Uranium - Other (K	gU)										
Identify your	organization's total number of	suppliers for Enriched																
Uranium - Ot	ther. Where necessary, input 0.																	
				1. C. (D. (C. 1975).			If re-exported outside of		2	014	20)15	2	016	20	017	2	018
	Supplier	Supplier Headquarters	Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?	the U.S., provide country of	End-Use										
			Oligin	from exporting company)	applicable		final use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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8																		
9																		
10																		
						Fuel Asse	mblies (PWR, BWR, or Other) (Finished Units)										
	organization's total number of	suppliers for Fuel																
Assemblies.	Where necessary, input 0.																	
	Guardian		Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of	Cod Use	2	014	20	015	2	016	20	017	2	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	BOOK Transfer?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
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10																		
	Comments:																	
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							8f: Imports	s - Other											Nex
CTION	N IS NOT APPLICABLE BASED (ON ANSWERS PROVIDED IN S	ECTION 8. PROCEED TO NET	XT SECTION															
THE UN	NITS OF MEASURE IN THE HEAI	DINGS. E.G. URANIUM ORE SH	OULD BE RECORDED IN POI	UNDS.															
							Uranium Ore	e (Pounds)											
ify your c	organization's total number of sary, input 0.	suppliers for Uranium Ore.																	
re necessa			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of the			21	014	2	015	2	016	2	017	1	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	U.S., provide country of final use	End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
1 2			+				+												
3																			
5 6																			
7			L																
8 9																			
10			1			<u> </u>	Uranium Concentrat	te (Pounds U3O8)											
	organization's total number of	suppliers for Uranium																	
entrate. V	Where necessary, input 0.		l	<u> </u>			If re-exported outside of the			21	014	2	015	2	016	2	017		2018
	Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		U.S., provide country of final use	End-Use	Explanation for Import		Value (\$USD)		Value (\$USD)	Units	Value (\$USD)		Value (\$USD)	Units	Value
1							use												
2 3							<u> </u>												
4																			
6																			
7 8																			
9 10																			
							Uranium Me	etal (KgU)											_
	organization's total number of e necessary, input 0.	f suppliers for Uranium																	
			Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of the			21	014	2	015	2	016	2	017	1	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	U.S., provide country of final use	End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
1 2							<u> </u>												
3 4																			
5																			
7																			
8 9							<u> </u>												
10						<u> </u>													
tify your c	organization's total number of							t Compounds (Kall)											
ium - Not		suppliers for Natural					Natural Uranium - Not	nt Compounds (KgU)											
	ot Compounds. Where necessa	f suppliers for Natural ry, input 0.						ot Compounds (KgU)											
	ot Compounds. Where necessa Supplier	f suppliers for Natural ry, input 0. Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		Natural Uranium - Not	tt Compounds (KgU)	Explanation for Import		014		015		016		017		2018
1	ot Compounds. Where necessa	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the		Explanation for Import		014 Value (\$USD)		015 Value (\$USD)	2 Units	D16 Value (\$USD)		017 Value (\$USD)	Units	
2	ot Compounds. Where necessa	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the U.S., provide country of final		Explanation for Import										
2 3 4	ot Compounds. Where necessa	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the U.S., provide country of final		Explanation for Import										
2 3 4 5 6	ot Compounds. Where necessa	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the U.S., provide country of final		Explanation for Import										2018 Value
1 2 3 4 5 6 7 8	ot Compounds. Where necessa	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the U.S., provide country of final		Explanation for Import										
2 3 4 5 6 7 8 9	ot Compounds. Where necessa	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the U.S., provide country of final		Explanation for Import										
2 3 4 5 6 7 8 9	ot Compounds. Where necessa	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the U.S., provide country of final	End-Use	Explanation for Import										
2 3 4 5 6 7 8 9 10 tify your o	supplier supplier	suppliers for Uranium	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		If re-exported outside of the U.S., provide country of final use	End-Use	Explanation for Import										
2 3 3 4 5 6 7 8 9 10	Supplier	suppliers for Uranium	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use 	End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
2 3 3 4 5 6 7 8 9 9 10 0 ify your o	supplier supplier	suppliers for Uranium	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use USE USE USE USE UTANIUM Compoun If re-exported outside of the U.S., provide country of final	End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
2 3 4 5 5 6 6 7 7 8 8 9 9 10 0 10 10 10 10 10 10 10 10 10 10 10 1	supplier Supplier organization's total number of Oxide. Where necessary, inpu	ry, input 0. Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use USE USE USE Uranium Compound If re-exported outside of the	End-Use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
2 3 4 5 6 7 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	supplier Supplier organization's total number of Oxide. Where necessary, inpu	ry, input 0. Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use USE USE USE USE UTANIUM Compoun If re-exported outside of the U.S., provide country of final	End-Use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
2	supplier Supplier organization's total number of Oxide. Where necessary, inpu	ry, input 0. Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use USE USE USE USE UTANIUM Compoun If re-exported outside of the U.S., provide country of final	End-Use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
2 3 4 5 5 6 7 8 9 9 10 0 10 0 10 0 10 0 10 0 10 0 10	supplier Supplier organization's total number of Oxide. Where necessary, inpu	ry, input 0. Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use USE USE USE USE UTANIUM Compoun If re-exported outside of the U.S., provide country of final	End-Use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
2 3 5 6 7 8 9 10 tify your o pounds - 0 1 2 3	supplier Supplier organization's total number of Oxide. Where necessary, inpu	ry, input 0. Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use USE USE USE USE UTANIUM Compoun If re-exported outside of the U.S., provide country of final	End-Use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value

Identify yo Compound	our organization's total number of s ds - Hexafluoride. Where necessary	uppliers for Uranium , input 0.																	
	Supplier	Cupplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if	Rock Transfer?	If re-exported outside of the	End-Use	Explanation for Import	20	14	20	15	2	016	2	017	2	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	BOOK Transfer?	U.S., provide country of final use	Enu-ose	Explanation for import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1																			
2 3																			
F 4																			
5																			
7						-													
8																			
9 10																			
10							Uranium Compour	nds - Other (KgU)			II				I		11		
Identify yo	our organization's total number of s	uppliers for Uranium																	
Compound	ds - Other. Where necessary, input	0.					If an annual distribution of the												
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap, if	Book Transfer?	If re-exported outside of the U.S., provide country of final	End-Use	Explanation for Import		14		15		016		017		018
			Origin	from exporting company)	applicable		use			Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1 2																			
3																			
G 4																			
5																			
7																			
8																			
10																			
			[1			Depleted Uraniu	m - Oxide (KgU)											
Identify yo	our organization's total number of s Oxide. Where necessary, input 0.	uppliers for Depleted																	
oraniani	oxide: Where necessary, input o.						If re-exported outside of the			20	14	20	15	2	016	2	017	2	018
	Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable		U.S., provide country of final	End-Use	Explanation for Import										
			Uligili	from exporting company)	applicable		use			Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1						-													
2																			
H 4																			
5																			
7																			
8						-													
10																			
							Depleted Uranium	- Fluorides (KgU)											
Identify yo	our organization's total number of s	suppliers for Depleted					Depleted Uranium	- Fluorides (KgU)											
Identify yo	our organization's total number of s Fluorides. Where necessary, input	suppliers for Depleted 0.						- Fluorides (KgU)		20	14		15		216		017		11.9
Identify yo	our organization's total number of s Fluorides. Where necessary, input Supplier	suppliers for Depleted 0. Supplier Headquarters	Country of Uranium Ore		Flag Swap, if	Book Transfer?	Depleted Uranium If re-exported outside of the U.S., provide country of final	- Fluorides (KgU) End-Use	Explanation for Import		14		15		016		017		018
Identify yo Uranium -	Fluorides. Where necessary, input	0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?	If re-exported outside of the		Explanation for Import	20 Units	14 Value (\$USD)		15 Value (\$USD)		D16 Value (\$USD)		017 Value (\$USD)	2 Units	018 Value (\$USD)
Identify yo Uranium -	Fluorides. Where necessary, input	0.				Book Transfer?	If re-exported outside of the U.S., provide country of final		Explanation for Import										
Identify yo Uranium -	Fluorides. Where necessary, input	0.				Book Transfer?	If re-exported outside of the U.S., provide country of final		Explanation for Import										
Identify yo Uranium - 1 2 3 I 4	Fluorides. Where necessary, input	0.				Book Transfer?	If re-exported outside of the U.S., provide country of final		Explanation for Import										
Identify yo Uranium - 1 2 3 1 4 5	Fluorides. Where necessary, input	0.				Book Transfer?	If re-exported outside of the U.S., provide country of final		Explanation for Import										
Identify yc Uranium - 1 2 3 1 4 5 6 7	Fluorides. Where necessary, input	0.				Book Transfer?	If re-exported outside of the U.S., provide country of final		Explanation for Import										
Identify yc Uranium - 1 2 3 1 4 5 6 7 7 8	Fluorides. Where necessary, input	0.				Book Transfer?	If re-exported outside of the U.S., provide country of final		Explanation for Import										
Identify yc Uranium - 1 2 3 1 4 5 6 7	Fluorides. Where necessary, input	0.				Book Transfer?	If re-exported outside of the U.S., provide country of final use	End-Use	Explanation for Import										
Identify yc Uranium - 1 2 3 1 4 5 6 6 7 7 8 9 9 10	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters				Book Transfer?	If re-exported outside of the U.S., provide country of final	End-Use	Explanation for Import										
Identify yc Uranium - 1 2 3 1 4 5 6 6 7 7 8 9 9 10	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters				Book Transfer?	If re-exported outside of the U.S., provide country of final use	End-Use	Explanation for Import										
Identify yc Uranium - 1 2 3 1 4 5 6 6 7 7 8 9 9 10	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use	End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium - 1 2 3 1 4 5 6 6 7 7 8 9 9 10	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use	Explanation for Import	Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium - 1 2 3 3 1 4 5 6 7 7 8 9 10 Identify yc Uranium -	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniur Depleted Uraniur	End-Use n - Other (KgU)		Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium - 1 2 3 1 4 5 6 6 7 7 8 9 9 10	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use n - Other (KgU)		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium - 1 2 3 1 4 5 6 7 7 8 9 9 10 10 Identify yc Uranium - 1 1 2 3	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use n - Other (KgU)		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use n - Other (KgU)		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium - 1 2 3 3 1 4 5 6 6 7 8 9 10 Identify yc Uranium - Identify yc Uranium -	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use n - Other (KgU)		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium 1 2 3 4 5 6 6 7 7 8 9 10 Identify yc Uranium Identify yc Uranium Identify yc Uranium 1 2 3 4 5 5 6 7 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use n - Other (KgU)		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium - 1 2 3 1 4 5 6 7 8 9 100 Vranium - 1 2 3 1 2 3 1 2 3 1 2 3 4 5 6 7 8 9 100 12 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 10 11 12 </td <td>Fluorides. Where necessary, input Supplier</td> <td>0. Supplier Headquarters</td> <td>Origin</td> <td>from exporting company)</td> <td>applicable</td> <td></td> <td>If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final</td> <td>End-Use n - Other (KgU)</td> <td></td> <td>Units</td> <td>Value (SUSD)</td> <td>Units</td> <td>Value (SUSD)</td> <td>Units</td> <td>Value (\$USD)</td> <td>Units</td> <td>Value (\$USD)</td> <td>Units</td> <td>Value (\$USD)</td>	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use n - Other (KgU)		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc Uranium - 1 2 3 4 5 6 7 8 9 10 Identify yc Uranium - Identify yc Uranium - 1 1 1 1 2 3 3 4 5 6 6 10 Identify yc Uranium -	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final use	End-Use m - Other (KgU) End-Use		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify your 1 2 3 1 4 5 6 7 8 9 10	Fluorides. Where necessary, input Supplier Sur organization's total number of Other. Where necessary, input 0. Supplier	0. Supplier Headquarters Uppliers for Depleted Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final	End-Use m - Other (KgU) End-Use		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yr Uranium - I I I I I I I I I I I I I I I I I I I	Fluorides. Where necessary, input Supplier	0. Supplier Headquarters Uppliers for Depleted Supplier Headquarters	Origin	from exporting company)	applicable		If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final use	End-Use m - Other (KgU) End-Use		Units	Value (SUSD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
Identify yc I I 2 3 I 4 5 6 7 8 9 10 Identify yc 1 4 5 6 7 8 9 10 Identify yc Identify yc	Fluorides. Where necessary, input Supplier Sur organization's total number of s Other. Where necessary, input 0. Supplier Supplier Sur organization's total number of s Metal. Where necessary, input 0.	0. Supplier Headquarters Uppliers for Depleted Uppliers for Depleted Uppliers for Depleted	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu	End-Use n - Other (KgU) End-Use n - Metal (KgU)	Explanation for Import	Units	Value (SUSD)	20 Units	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units	Value (SUSD)
1 1 2 3 1 4 5 6 6 7 8 9 10 10 1 2 3 4 5 6 6 7 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 4 5 6 7 8 9 10 10 10	Fluorides. Where necessary, input Supplier Supplier Sur organization's total number of Other. Where necessary, input 0. Supplier Supplier Supplier	0. Supplier Headquarters Uppliers for Depleted Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use Depleted Uranius If re-exported outside of the U.S., provide country of final use Depleted Uranius Depleted Uranius	End-Use m - Other (KgU) End-Use		Units	Value (SUSD)	Units	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units	Value (SUSD)
1 1 2 3 1 4 5 6 7 7 8 9 10 1 2 3 3 4 5 6 7 7 8 9 10 10 1 2 3 4 5 6 7 7 8 9 10 10 Uranium 1	Fluorides. Where necessary, input Supplier Sur organization's total number of s Other. Where necessary, input 0. Supplier Supplier Sur organization's total number of s Metal. Where necessary, input 0.	0. Supplier Headquarters Uppliers for Depleted Uppliers for Depleted Uppliers for Depleted	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final use Depleted Uraniu Bepleted Uraniu	End-Use n - Other (KgU) End-Use n - Metal (KgU)	Explanation for Import	Units	Value (SUSD)	Units	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units	Value (SUSD)
1 1 2 3 1 4 5 6 7 7 8 9 10 1 2 3 3 4 5 6 7 7 8 9 10 10 1 2 3 4 5 6 7 7 8 9 10 10 Uranium 1	Fluorides. Where necessary, input Supplier Sur organization's total number of s Other. Where necessary, input 0. Supplier Supplier Sur organization's total number of s Metal. Where necessary, input 0.	0. Supplier Headquarters Uppliers for Depleted Uppliers for Depleted Uppliers for Depleted	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final use Depleted Uraniu Bepleted Uraniu	End-Use n - Other (KgU) End-Use n - Metal (KgU)	Explanation for Import	Units	Value (SUSD)	Units	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units	Value (SUSD)
Identify yr 1 2 3 1 2 3 1 2 3 1 1 2 3 1 1 2 3 3 4 5 6 7 8 9 10 10 10 11 12 3 4 1 1 1 1 1 1 1 1 1 1 1 3 4	Fluorides. Where necessary, input Supplier Sur organization's total number of s Other. Where necessary, input 0. Supplier Supplier Sur organization's total number of s Metal. Where necessary, input 0.	0. Supplier Headquarters Uppliers for Depleted Uppliers for Depleted Uppliers for Depleted	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final use Depleted Uraniu Bepleted Uraniu	End-Use n - Other (KgU) End-Use n - Metal (KgU)	Explanation for Import	Units	Value (SUSD)	Units	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units	Value (SUSD)
Identify yr Uranium 1 2 3 1 4 5 6 7 8 9 10 11 2 3 1 4 5 6 7 8 9 10 Uranium 1 2 3 4 5 6 7 8 9 10 Uranium 1 2 3	Fluorides. Where necessary, input Supplier Sur organization's total number of s Other. Where necessary, input 0. Supplier Supplier Sur organization's total number of s Metal. Where necessary, input 0.	0. Supplier Headquarters Uppliers for Depleted Uppliers for Depleted Uppliers for Depleted	Origin	from exporting company)	applicable	Book Transfer?	If re-exported outside of the U.S., provide country of final use Depleted Uraniu Depleted Uraniu If re-exported outside of the U.S., provide country of final use Depleted Uraniu Bepleted Uraniu	End-Use n - Other (KgU) End-Use n - Metal (KgU)	Explanation for Import	Units	Value (SUSD)	Units	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units 2	Value (SUSD)	Units 2 Units	Value (SUSD)

8																		
9																		
10					I	Enriched Liran	um Oxide (KgU)											
Identify your organization's total number of	unplians for Enrichad	1	1															
Uranium - Oxide. Where necessary, input 0.	appliers for Enriched																	
oraniani oxide. Where necessary, input o.						If re-exported outside of the			21)14	20	015	20	016	20	017		018
Supplier	Supplier Headquarters	Country of Uranium Ore		Flag Swap, if	Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										
		Origin	from exporting company)	applicable		use			Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1																		
1 2																		
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L 4 5																		-
6										-			-					-
7																		
8																		
9																		
10																		
			1			Enriched Uranium	Hexafluoride (KgU)											
Identify your organization's total number of	uppliers for Enriched																	
Uranium - Hexafluoride. Where necessary, in	put 0.																	
		Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap, if		If re-exported outside of the			20)14	20	015	20	016	20	017	2	018
Supplier	Supplier Headquarters	Origin	from exporting company)	applicable	Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
		-				use			011103	valac (9050)	Units	Value (\$055)	011103	Vulue (0000)	onics	value (9050)	onito	Value (\$050)
2																		
3																		
M 4																		
5																		
6																		
8																		-
9										-			-					-
10																		
						Enriched Urani	um - Other (KgU)											
Identify your organization's total number of	uppliers for Enriched																	
Uranium - Other. Where necessary, input 0.																		
		Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swan if		If re-exported outside of the			21	014	20	015	20	016	20	017	2	018
Supplier	Supplier Headquarters		Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap, if applicable	Book Transfer?		End-Use	Explanation for Import	21 Units)14 Value (\$USD)	20 Units	D15 Value (\$USD)		016 Value (\$USD)	20 Units	017 Value (\$USD)	2 Units	018 Value (\$USD)
1	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
1 2	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
1	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
N 4 5	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
N 4 5 6	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
N 4 5 7	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
N 1 2 2 4 5 6 7 8	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
1 2 3 4 5 6 7	Supplier Headquarters				Book Transfer?	U.S., provide country of final	End-Use	Explanation for Import										1
1	Supplier Headquarters				Book Transfer?	U.S., provide country of final												1
1					Book Transfer?	U.S., provide country of final use												1
1 2 3 6 7 8 9 10					Book Transfer?	U.S., provide country of final use												1
1 2 2 3 N 4 5 6 7 8 9 10 Identify your organization's total number of a Assemblies. Where necessary, input 0.	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use use Fuel Assemblies (PWR, BW If re-exported outside of the	R, or Other) (Finished Units		Units		Units		Units		Units		Units	1
1		Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final			Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1 2 2 3 N 4 5 6 7 7 8 9 10 10	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use use Fuel Assemblies (PWR, BW If re-exported outside of the	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1 1 2 1 2 1 3 1 6 1 7 1 8 1 9 1 10 1 Identify your organization's total number of states Assemblies. Where necessary, input 0. Supplier 1 2 3 4 5 6 7	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1 1 2 1 2 1 3 1 6 1 7 1 8 1 9 10	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
N 1 2 3 4 5 6 7 8 9 10 10 10 10 10 10 10 10	uppliers for Fuel	Origin	from exporting company)	applicable		U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1 1 2 1 2 1 3 1 6 1 7 8 9 10 10 1 Assemblies. Where necessary, input 0. Supplier 1 2 3 1 2 3 6 1 7 8 9 10	uppliers for Fuel	Origin	from exporting company)	applicable	Book Transfer?	U.S., provide country of final use Fuel Assemblies (PWR, BW If re-exported outside of the U.S., provide country of final	R, or Other) (Finished Units End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)

Previous	Page																	Next Page
										9a: Cust	omers and Contracts			000 2012	2014	2040	,	
													U.S.	009-2013 Non-U.S.	U.S.	-2018 Non-U.S.		
A For	2009-2013 and 2014-2018	B, record the number of direc	ct U.Sbased and non-U	.Sbased customers for un	anium or fuel prod	ucts.							0.5.					
Ide	ntify your organization's to	p 15 current customers (by s	ales volume). For each	current/active customer, e	enter type of custor	mer, type of contr	act, contract dates	, expected renewal,	type and supply of uranium. Fo	or country of origin, please indic	ate the country from which the	e majority, by volume, o	of the uranium your organizat	tion supplies was originally miner	d.			
						Contra	ct Dates		End-Use				Type and Supply of L	Uranium			Estimated Percent of Total 2018	
	Customer Name	Customer's HQ	Type of Custom	er Type of	f Contract			End-user HQ		Renewal Expected?			Country of Uranium Ore			Amount Supplied to Date		
		(Country)				Start Date	End Date	(country)	End-use (if known)		Тур	e	Origin	Minimum Price for Contract	Maximum Price for Contract		Contract	
1																		
2																		
3	-																	
4																		
6																		
в 7																		
8																		
9																		
10																		
12																		
13																		
14											-							
15		_		1		!							1			1	1	
If so	ou indicated that some of y	your organization's																
	tracts were not expected to																	
For	your organization's inactiv	e or former customers from	2009 to 2018, identify 1	the type of customer, type	of contract, contra	ct dates, whether	the contract was	canceled, not renew	ed, or other, and the reason wi	vy. Also identify the type and su	pply of uranium, as well as the	average price per unit.	For country of origin, please	indicate the country from which	the majority, by volume, of the u	ranium your organization supp	plied was originally mined.	
-																		
	Customer	- No	Type of Custom		f Contract			Contract Dates		E-ala/a	Reasoning for Contract Ending			Type and Sup	pply of Uranium		Amount Supplied Over Duration	Explain
	Customer	rivame	Type of custom	ier Type of	Contract	Star	t Date		End Date	Explain	Reasoning for Contract Ending	5	Type	Country of Uranium Ore Origi	n Minimum Price for Contract	Maximum Price for	of Contract	Explain
_													туре	country or oranian ore origi	in within an inter for contract	Contract		
1																		
2	-																	
4																		
L 5																		
6	-																	
7																		
9																		
10																		
11																		
12														+		-		
13													1	1		1		
15																		
Fro	m 2009-2013, 2014-2018,	and 2019-2023, record the r	number and dollar value	of your organization's con	tracts (spot, short-	term, mid-term, li	ong-term) for uran	ium or fuel products										
-				2009	9-2013				1		2014-2	018			1	20:	19-2023	
	Contract Type	Spot	2	Short-term (< 2 years)	Mid-term			m (5+ years)	Spot		rt-term (<2 years)		m (2-5 years)	Long-term (5+ years)	Spot	Short-term (<2 years)	Mid-term (2-5 years)	Long-term (5+ years)
		Number	Value Nu	umber Value	Number	Value	Number	Value	Number	Value Number	Value	Number	Value	Number Value	Number Value		Number Value	Number Value
1	U.S. Non-U.S.																	
D 2	NOIPO.S.					·			Spot	Short-term (<2 years)	Mid-term (2	-5 years)	Long-term (5-	+vears)		· · · ·	· · · ·	
	Design being sends							Number	Value	Number Value	Number	Value	Number	Value				
3	Do you have contracts be	eyona 2023?		If yes, complete	the matrix to the r	ignt.												
	Has your organization ex	perienced difficulty negotiat	ting.															
4	renegotiating, or extend	ing long-term contracts?		If yes, explain ar	ny difficulties.			1										
	G	iomments:																
									B	USINESS CONFIDENTIAL - Per S	ection 705(d) of the Defense	Production Act						

Previ	ous P	age				Next Page
			9b: Customers ar	nd Contracts (Continued)		
		to 2018, did your organization operate U.S. milling facilities?				
	lf no,	proceed to Part B. If yes, complete Part A.				
		Has your organization used product (U3O8) purchased on the spot market in order to fulfill contracts?				
		If yes, indicate the percentage of U3O8 contr	act obligations that were fulfilled u	sing product (U3O8) purchased or	the spot market for the 2014 to	o 2018 period.
	2	2014	2015	2016	2017	2018
Α.		Indicate the total amount of uranium purchas	es in pounds of U3O8, that your o	rganization nurchased on the spot	market for the 2014 to 2018 pe	ariad
	3	2014	2015	2016	2017	2018
		2014	2015	2010	2017	2010
		What average price per pound of uranium co marketing, depreciation, depletion, amortizat				
	4					
	From	2014 to 2018, did your organization provide I	J.Sbased enrichment services?		If yes, complete the questions	in Part B.
	1	Has your organization re-enriched tailings, whether from previous enrichment activities or adjusting current tails assay, and then re- sold the product?				
		If yes, indicate the percentage of your revenu	e that came from sales of re-enric	ned tailings for the 2014 to 2018 p	eriod.	
	2	2014	2015	2016	2017	2018
	2					
		Provide the annual quantity, in KgU, of re-en	riched tailings sales for the 2014 to	2018 period.		
в	3	2014	2015	2016	2017	2018
		What factors led your organization to begin selling re-enriched tails? Discuss the role that excess inventory has played in causing your organization to re-enrich tails.				
	5	If this is a new business activity, describe the factors that caused your organization to start selling re-enriched tails.				
	6	How would an increase in uranium spot prices affect your sales of re-enriched tails?				
		Comments:				
			BUSINESS CONFIDENTIAL - Per Sec	tion 705(d) of the Defense Produ	ction Act	

e	vi	o	u	IS	Ρ	а	g

9c. Third Party Storage

If you stored	r organization provides storage of u d by your organization has been inv	ranium in any form for other p olved in a book swap.	arties, identify the suppliers	and the subsequent country origin of the	material for each of	f the below products for the 2014 to	2018 period. Th	is is material for	which your org	anization does n	ot have title. In	clude material sto	ored for broker	s and/or traders	and record if 1	the material
storag	Ir organization does not provide ge of uranium in any form, please t 'Not Applicable' and proceed to th section.	e														
next s	section.					Uranium Ore (Pounds)										
Identi organ	ify the total number of consigners on nization. Where necessary, input 0.	f Uranium Ore to your				Granium Gre (Founds)										
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use (If Known)	2 Units	014 Value (\$USD)	2 Units	Value (\$USD)	2 Units	016 Value (\$USD)	2 Units	Value (\$USD)	2 Units	Value (\$USD
	1					U.S. Government (Non-defense)										
1	3															
	4 5															
	6															
	7															
9	9															
1	10				U	ranium Concentrate (Pounds U3O8)	L		L	L				L		
	ify the total number of consigners on nization. Where necessary, input 0.	f Uranium Concentrate to your														
		Consigning Organization	Country of Uranium Ore	Manufacturer/Processor (if different			2	014	2	015	2	016	2	017	2	2018
	Consigning Organization	Headquarters	Origin	from consigning organization)	Book Swap?	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD
	1															
	2															
	4															
	5															
	7															
	8															
	10															
			-	1		Uranium Metal (KgU)										
Identi organ	ify the total number of consigners of nization. Where necessary, input 0.	f Uranium Metal to your														
	Consigning Organization	Consigning Organization			Book Swap?	End-Use		014		015		016		017		2018
	consisting organization	Headquarters	Origin	from consigning organization)	book swap:		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD
1	2 3															
C	4 5															
6	6															
	7 8															
9																
1	10				Nat	tural Uranium - Not Compounds (Kgu	I)		L	L				L		
	ify the total number of consigners o bounds to your organization. Where				IN.d.	tural oranium - Not Compounds (kgc	,1									
			Company of the second	Man (anti-sec) (b)			2	014	2	015	2	016	2	017	2	2018
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD
	1															
D 4	3															
	5		+													
6	6						1	1	1	1				1		-
	8															
	9															
1	10					Uranium Compounds - Oxide (KgU)										
	ify the total number of consigners o ur organization. Where necessary, i					(- -										
							2	014	2	015	2	016	2	017	2	2018
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD
1	2															
1	3 4															+
	5						1	1	1	1				1		1
e																

				Urar	nium Compounds - Hexafluoride (Kg	U)			I						
your organization's total number of c unds - Hexafluoride. Where necessary	consigners of Uranium r, input 0.														
Consigning Organization	Consigning Organization	Country of Uranium Ore	Manufacturer/Processor (if different	Book Swap?	End-Use		014		015		016		17		2018
	Headquarters	Origin	from consigning organization)			Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
															_
usur organization's total number of	onsigners of Uranium	-			Jranium Compounds - Other (KgU)										
y your organization's total number of c unds - Other. Where necessary, input						20)14	20	015	2	016	20	17		2018
Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
						Offics	value (503D)	Units	value (5030)	onits	Value (\$050)	Units	value (505D)	Units	valu
						+			+		-				+
															_
					Depleted Uranium - Oxide (KgU)										
y your organization's total number of c m - Oxide. Where necessary, input 0.	consigners of Depleted					20)14	20	015		016	20	117		2018
Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
					valated Dealow - Elonder (Val.1)										
your organization's total number of c				C	epleted Uranium - Fluorides (KgU)										
vour organization's total number of c n - Fluorides. Where necessary, input	0.	Counter of Handran Data	Namidati un Brassus (II difess	C		20)14	20	015	2	016	20	17		2018
your organization's total number of c		Country of Uranium Ore Origin	Manufacturer/Processor (If different from consigning organization)	Book Swap?	epleted Uranium - Fluorides (KgU) End-Use										
your organization's total number of c - Fluorides. Where necessary, input	0. Consigning Organization	Country of Uranium Ore Origin				20 Units	014 Value (\$USD)	20 Units	D15 Value (\$USD)	2 Units	016 Value (\$USD)	20 Units	17 Value (\$USD)	Units	
your organization's total number of c - Fluorides. Where necessary, input	0. Consigning Organization	Country of Uranium Ore Origin													
your organization's total number of c - Fluorides. Where necessary, input	0. Consigning Organization	Country of Uranium Ore Origin													
your organization's total number of c - Fluorides. Where necessary, input	0. Consigning Organization	Country of Uranium Ore Origin													
your organization's total number of c - Fluorides. Where necessary, input Consigning Organization	0. Consigning Organization	Country of Uranium Ore Origin													
your organization's total number of c n - Fluorides. Where necessary, input Consigning Organization	0. Consigning Organization	Country of Uranium Ore Origin													
your organization's total number of c n - Fluorides. Where necessary, input Consigning Organization	0. Consigning Organization	Country of Uranium Ore Origin													
your organization's total number of c n - Fluorides. Where necessary, input Consigning Organization	0. Consigning Organization	Country of Uranium Ore Origin		Book Swap?											
your organization's total number of o - Fluorides. Where necessary, input Consigning Organization	0. Consigning Organization Headquarters	Country of Uranium Ore Origin		Book Swap?	End-Use	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	
- Fluorides. Where necessary, input Consigning Organization	0. Consigning Organization Headquarters	Origin		Book Swap?	End-Use	Units		Units		Units		Units		Units	Va
your organization's total number of c - Fluorides. Where necessary, input Consigning Organization your organization's total number of c - Other. Where necessary, input 0.	0. Consigning Organization Headquarters 	Origin	from consigning organization)	Book Swap?	End-Use Depleted Uranium - Other (KgU)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Va
your organization's total number of c n - Fluorides. Where necessary, input Consigning Organization your organization's total number of c n - Other. Where necessary, input 0	0. Consigning Organization Headquarters 	Origin	from consigning organization)	Book Swap?	End-Use Depleted Uranium - Other (KgU)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Va
your organization's total number of c - Fluorides. Where necessary, input Consigning Organization your organization's total number of c n - Other. Where necessary, input 0. Consigning Organization	0. Consigning Organization Headquarters 	Origin	from consigning organization)	Book Swap?	End-Use Depleted Uranium - Other (KgU)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Va
ryour organization's total number of e 	0. Consigning Organization Headquarters 	Origin	from consigning organization)	Book Swap?	End-Use Depleted Uranium - Other (KgU)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	2018
your organization's total number of c - Fluorides. Where necessary, input Consigning Organization 	0. Consigning Organization Headquarters 	Origin	from consigning organization)	Book Swap?	End-Use Depleted Uranium - Other (KgU)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	
your organization's total number of c organization Consigning Organization Consigning Organization your organization's total number of c m - Other. Where necessary, input 0. Consigning Organization	0. Consigning Organization Headquarters 	Origin	from consigning organization)	Book Swap?	End-Use Depleted Uranium - Other (KgU)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	2018
your organization's total number of c - Fluorides. Where necessary, input Consigning Organization 	0. Consigning Organization Headquarters 	Origin	from consigning organization)	Book Swap?	End-Use Depleted Uranium - Other (KgU)	Units	Value (SUSD)	Units	Value (\$USD)	Units	Value (SUSD)	Units	Value (\$USD)	Units	2018

	your organization's total number of o n - Metal. Where necessary, input 0.	consigners of Depleted													
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	20 Units	014 Value (\$USD)	2015 Units Value (\$USD)	20 Units	D16 Value (\$USD)	2 Units	017 Value (\$USD)	20 Units	Value (\$USD)
1 2															
К 3															
5 6 7															
8															
10						Enriched Uranium Oxide (KgU)									
ldentify Uraniur	your organization's total number of n - Oxide. Where necessary, input 0.	consigners of Enriched							2015		016		017	20	118
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	Units	014 Value (\$USD)	Units Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)		Value (\$USD)
1															
L 3 4															
5															
7															
9 10															
Identify	your organization's total number of	consigners of Enriched			Er	nriched Uranium Hexafluoride (KgU)									
Uraniur	n - Hexafluoride. Where necessary, in	put 0.													
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	20 Units	014 Value (\$USD)	2015 Units Value (\$USD)	20 Units	016 Value (\$USD)	20 Units	017 Value (\$USD)		Value (\$USD)
1 2															
M 4															
5															
7															
9 10															
Identify	your organization's total number of	consigners of Enriched				Enriched Uranium - Other (KgU)									
Uraniur	n - Other. Where necessary, input 0.														
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	20 Units	014 Value (\$USD)	2015 Units Value (\$USD)	20 Units	016 Value (\$USD)	21 Units	017 Value (\$USD)	20 Units	18 Value (\$USD)
1															
N 4															
5															
7															
9 10															
Identify	your organization's total number of	consigners of Fuel			Fuel Assen	hblies (PWR, BWR, or Other) (Finishe	d Units)								
	lies. Where necessary, input 0.							014	2015	~	016	-	017		19
	Consigning Organization	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?	End-Use	Units	014 Value (\$USD)	2015 Units Value (\$USD)	Units	016 Value (\$USD)	Units	017 Value (\$USD)		Value (\$USD)
1 2															
0 3 4															
5															
7															
9 10															
	Comments:			ь					1						
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L				BUSI		The Section /05(u) of the Dete	se moducu0N	mut							

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			9d. Permi	ts				
Provide the following information on your organization's permitti	ng process.							
From 2009 to 2018, list any U.S. exploration, drilling, mining, u the regulatory authority granting the permit, the type and desc						rently owns, or for whic	h your organization curr	ently has a pending application. Include
Regulatory Authority	Type of Permit	Permit Description	Full Length of Permitting Process (Years)	Total Estimated Cost of Permitting Process	Design Type	Application Date	Application Status	Facility Location (City, State)
A. 1								
2 3								
4								
5								
6								
7								
8								
10								
Has your organization encountered obstacles with the permitting process?		If yes, indicate the type of difficulty	and explain below.	· · · · ·				
Explain:								
C. Have your licensing or permitting fees increased in the last five years?		If Yes, Explain:						
D. Identify any suggestions that your organization has to improve the permitting process?								
Comments:								
		BUSINESS CONFIDENTIA	AL - Per Section 705	(d) of the Defense Product	tion Act			

revious Page					10: Employment				Next Pag
cord the total number of full time equivalent (FTE) er	nployees and contractors for	r 2009, and the 2014 to 2018 pe	riod.						
		2009	2014	2015	2016	2017	2018	2019 (Projected)	1
A FTE Employees									
FTE Contractors									
ecord the total number of employees for each occupat	tion type below for 2009, and								1
Occupation		2009	2014	2015	2016	2017	2018	2019 (Projected)	
Administrative, Management, Legal Staff, IT Staff									
Analysts, Evironmental Compliance, Tailings Manager Radiation Safety Technicians	gement Operators,								
Engineers, Scientists, Geologists, Geochemists, Geo Metallurgists	ophysicists, Chemical								
Electricians, Welders, Technicians, Operating Staff,	, Driller, Logger								
Millwrights, Miners, Mill Operator, Mill Maintenan Wellfield Maintenance	nce, Wellfield Operator,								
Marketing and Sales									
Other	(specify here)								
ovide the following information about employment di	ifficulties, workforce age, ed	ucational requirements, vacanc	ies, and changes in employmer	nt for the 2014 to 2018 period.	1		1		
Occupation		Difficulty	Explanation for Difficulty, if Applicable	Current Average Age of Worker (2018)	Formal Education Requirements	On the Job Training Requirements (OTJ)	Current Number of Vacancies (2018)	Average Weeks Vacant	Explanation
Administrative, Management, Legal Staff, IT Staff									
Analysts, Evironmental Compliance, Tailings Manag Radiation Safety Technicians									
Engineers, Scientists, Geologists, Geochemists, Geo Metallurgists	ophysicists, Chemical								
Electricians, Welders, Technicians, Operating Staff,	, Driller, Logger								
Millwrights, Miners, Mill Operator, Mill Maintenan Wellfield Maintenance	ice, Wellfield Operator,								
Marketing and Sales									
Other	(specify here)								
Does the industry experience any amount of workforce cross-over between commercial and U.S. government uranium activities?		If yes, explain:							
Are the skills associated with the workforce in your organization transferable to other non- uranium industries?		lf yes, explain below.							
If you resumed operations at an idled facility, do F you reasonably anticipate being able to hire or rehire workers?		If so, in what in timeframe? Ex	plain.						
Does the geographic location of your organization's facilities play any role in the challenges in hiring, retaining, and rehiring employees?		If yes, explain below and speci employees that this challenge							
Does your organization utilize or provide consulting services that assist in optimizing core business processes relating to your organization's role in the nuclear fuel cycle?		If yes, describe the types of fir substance of the consulting we degree of integration of the un industries in your answer.	ork below. Consider the						
Comments:		<u> </u>							
				BUSINESS CONFIDE	NTIAL - Per Section 705(d) of the De	efense Production Act			

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	11a: Competition and Demand Trends							
					ffected your U.S. manufacturing operations, sales, employment, planned expansions, etc. with respect to the emblies. Indicate Yes/No to the right and explain below.			
			Item	Yes/No	Explain			
	1	Manufacturin	g Operations					
A	2	Sales						
	3	Employment						
	4	Planned Expa	nsions					
	5	Other:						
	Fro	m 2009 to 201	8, has your organization experie	nced any neg	ative effects on its return on investment or its growth, investment, ability to raise capital, existing			
	dev	development and production efforts, or the scale of capital investments as a result of imports of any type of uranium products or nuclear fuel assemblies into the United states? Indicate Yes/No to the right and explain below.						
			Item	Yes/No	Explain			
	1	Return on Inv	estment					
В	2 Investments							
	3	Ability to Rais	e Capital					
	4	Existing Deve	lopment/ Production Efforts					
	5	Scale of Capit	al Investments					
	6	Other:						
	incl	uding from co		orises such as	usiness due to future imports of any type of uranium or nuclear fuel assemblies into the United States, Russia, Kazakhstan, Uzbekistan, and China, as well as free market countries such as France, Canada, and			
			Item	Yes/No	Explain			
		Russia Kazakhstan						
		Uzbekistan						
с		China						
	5	France						
	6	Canada						
	7	Australia						
	8	Other:						
	9 10	Other: Other:						
					an analyzed of the state of the			
D.	11 U.	.s. reactor reti	Yes/No	present rate	or accelerated, would your organization be impacted? Indicate Yes/No to the right and explain below. Explain			
	1							
		there were no U.S. facilities performing any of the following functions of the fuel cycle, would your organization's nuclear fuel operations be impacted? Explain your swers for each stage of the fuel cycle.						
E.	1	St Uranium Min	age of Fuel Cycle ing	Yes/No	Explain			
Ε.	2	Uranium Milli	ing					
		Uranium Con						
	4 Uranium Enrichment 5 Fuel Fabrication							
		Describe the	top five most significant challen	ges to the con	npetitive position of your organization in the U.S. uranium market.			
		1						
		2						
	1	3						
		4						
F.		5						
			top five most significant challen	ges to the con	npetitive position of your organization in the non-U.S. uranium market.			
		1						
		2						
	2	3						
		4						
		5						
Comments:								
			BU	SINESS CONFI	DENTIAL - Per Section 705(d) of the Defense Production Act			

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11b: Competitors

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	each of the following factors, indicate whether uranium producers or nuclear fuel fabricators located inside the U.S. or outside the U.S. possess the competitive advantage, select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage and a select the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at the specific country with the greatest perceived advantage at t						
	Factor		U.S. or Non-U.S. Location with Advantage	Country with Perceived Advantage		Explain	
La	abor Costs						
Er	Invironmental Compliance Costs						
M	laterial Costs						
Ec	Equipment Costs						
	Facility Costs						
, Sι	Supply of Skilled Workers						
A. 0	Overall Finished Product Price						
	uality						
Le	ead Time						
Re	educed Process Vari	ability					
	educed Cost						
Sa	afety Requirements	Costs					
G	overnment Support,	/Subsidies					
Cu	urrency Valuation						
Re	egulatory Costs (Nor	n-Environmental)					
	ther	(specify here)					
0	ther	(specify here)					
Id	lentify your organiza	tion's leading U.S. competitors in th	e manufacture of any type of uraniu	m, and identify their primary com Top U.S. Compet			
						E salada	
		Competitor Name	State	Global Headquarters Country	Primary Competitive Attribute	Explain	
1	1						
2	2						
3	3						
4	4						
в. —	5						
Id	lentify your organiza	tion's leading non-U.S. competitor in	n the manufacture of any type of ura	anium, and identify their primary c	competitive attribute.		
				Top Non-U.S. Com	petitors		
		Competitor Name	Country	Global Headquarters Country	Primary Competitive Attribute	Explain	
1	1						
2	2						
3	3						
4	4						
5	5						
	Comments:						
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	Russian/China Presence on the Global Uranium Market	-Yes/No-	Explain		
1	Have restrictions on imports of Russian uranium affected your organization?	i			
2	Would your organization's posture be affected by an increased Russian presence in the U.S. or global market?				
3	Will China's increasing global presence in the nuclear fuel sector affect your organization?				
	Current Competitiveness	-Yes/No-	Explain		
1	Has your organization changed its pricing practices in the past ten years?				
2	Has your organization engaged in any cost-cutting measures in order to better compete with cheaper imports of uranium products and volatile prices?				
4	Has the increasing presence of natural gas-fired power plants affected your organization's competitiveness?				
5	Have renewable energy technologies (e.g. solar and wind) affected your organization's competitiveness?				
6	Does the uranium concentration in ore recovered from U.S. mines impact your organization's competitiveness?				
7	Has your organization been impacted by the lack of a U.Stechnology based civilian enrichment facility?				
	International Markets and Factors	-Yes/No-	Explain		
1	While the nuclear power sector is declining domestically in terms of number of facilities, it is growing globally. Do you plan to participate, or increase participation, in the global uranium market?				
2	Apart from potential government subsidies, do you believe that foreign uranium producers operate at lower costs than U.S. producers?				
	2 3 1 2 3 4 5 6 7 1	povide the following information, and explain your answer. I Russian/China Presence on the Global Uranium Market Have restrictions on imports of Russian uranium affected your organization? 2 Would your organization's posture be affected by an increased Russian presence in the U.S. or global market? 3 Will China's increasing global presence in the nuclear fuel sector affect your organization? L Law your organization changed its pricing practices in the past ten years? I Has your organization engaged in any cost-cutting measures in order to better compete with cheaper imports of uranium products and volatile prices? 3 Has your organization made significant operational or strategic changes in order to better compete in the uranium market? 4 Has the increasing presence of natural gas-fired power plants affected your organization's competitiveness? 5 Have renewable energy technologies (e.g. solar and wind) affected your organization's competitiveness? 6 Does the uranium concentration in ore recovered from U.S. mines impact your organization's competitiveness? 7 Has your organization been impacted by the lack of a U.Stechnology based civilian enrichment facility? International Markets and Factors International Markets and Factors 1 While the nuclear power sector is declining domestically in terms of number of forfiltites, it is growing globally	11:: Competitive voide the following information, and explain your answer. Russian/China Presence on the Global Uranium Market -Yes/No- 1 Have restrictions on imports of Russian uranium affected your organization?		

с.	Bo you consider all international suppliers of uranium products to your organization reliable?		
	Do other countries' environmental standards give your international competitors an advantage? Describe.		
	Does your organization know of any direct subsidies or other state support received by your international competitors?		
	6 Has the 2011 Fukushima disaster impacted your organization's operations?		
	Do uranium producers operating in foreign market economies (e.g. Canada, Australia) have competitive advantages (e.g. geology, business practices, logistics chain) over U.S. producers?		
	Do regulatory or legislative frameworks give operators in foreign market		
	economies (e.g. Canada, Australia) advantages over U.S. producers?		
		-Yes/No-	Explain
_	economies (e.g. Canada, Australia) advantages over U.S. producers?	-Yes/No-	Explain
-	Performance Constrained Domestic Operations and Factors Does the United States currently have the uranium resources and associated infrastructure available to support U.S. national defense and critical infrastructure needs for the foreseeable future? If no, what actions	-Yes/No-	Explain
	acconomies (e.g. Canada, Australia) advantages over U.S. producers? Domestic Operations and Factors Does the United States currently have the uranium resources and associated infrastructure available to support U.S. national defense and critical infrastructure needs for the foreseeable future? If no, what actions do you believe are necessary to enhance the U.S. nuclear infrastructure? If your organization operates a uranium mill, have you had to rely on alternative feed material" instead of "traditional ore" to support your	-Yes/No-	Explain
	acconomies (e.g. Canada, Australia) advantages over U.S. producers? Domestic Operations and Factors Does the United States currently have the uranium resources and associated infrastructure available to support U.S. national defense and critical infrastructure needs for the foreseeable future? If no, what actions do you believe are necessary to enhance the U.S. nuclear infrastructure? If your organization operates a uranium mill, have you had to rely on "alternative feed material" instead of "traditional ore" to support your business? If so, is it a sustainable business model? Have any U.S. regulatory regime changes in the last ten years impacted your	-Yes/No-	Explain
	Product Product Does the United States currently have the uranium resources and associated infrastructure available to support U.S. national defense and critical infrastructure needs for the foreseeable future? If no, what actions do you believe are necessary to enhance the U.S. nuclear infrastructure? If your organization operates a uranium mill, have you had to rely on "alternative feed material" instead of "traditional ore" to support your business? If so, is it a sustainable business model? Have any U.S. regulatory regime changes in the last ten years impacted your organization's current competitiveness? Please list specific changes. Have uranium market conditions affected your organization's ability to	-Yes/No-	Explain

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	12: Certification						
The undersigned certifies that the information h	The undersigned certifies that the information herein supplied in response to this questionnaire is complete and correct to the best of his/her						
knowledge. It is a criminal offense to willfully m	nowledge. It is a criminal offense to willfully make a false statement or representation to any department or agency of the United States Government						
as to any matter within its jurisdiction (18 U.S.C.	1001 (1984 & SUPP. 1197)).						
Once your organization has completed this surve	ey, save a copy and submit it via email to Uranium232@bis.doc.gov. Be sure to retain your survey for						
your records and to facilitate any necessary edit	s or clarifications.						
Organization Name							
Organization's Internet Address							
Name of Authorizing Official							
Title of Authorizing Official							
E-mail Address							
Phone Number and Extension							
Date Certified							
In the box below, provide any additional comments or any other information you wish to include regarding this survey assessment.							
How many hours did it take to complete this survey?							
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BOSINESS							