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OMB Control Number: 0694-0120

Expiration Date: November 30, 2019

Section 232 Investigation: The Effect of Imports of Uranium on the 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 the 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 financial 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 Information furnished herewith is deemed confidential and will not be published or disclosed except in accordance with Section 705 of the Defense Production Act of 1950, as amended (50 U.S.C. Sec. 4555).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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11011	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 nuclear fuel industry. As such, some questions may not be relevant to your organization. Read each question carefully to determine 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.
D.	Do not disclose any USG classified information in this survey form.
E.	Upon completion of the survey, final review, and certification, transmit the survey document via e-mail to: Uranium232@bis.doc.gov
	Questions related to the survey should be directed to BIS survey support staff at Uranium232@bis.doc.gov. 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.
G.	For questions related to the overall scope of this Section 232 Investigation, contact Uranium232@bis.doc.gov or: Brad Botwin, Director, Industrial Studies Office of Technology Evaluation, Bureau of Industry and Security, 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: Uranium232@bis.doc.gov
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Term Definitions Alternate Feeds Alternate Feeds Applied Research Applied Research Applied Research Applied Research Authorizing Official Authorizing Official Basic Research Basic Research Asystematic, scientific study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts. 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. Customer Conventional Mining The act of removing uranium ore from deep underground shafts or shallow open pits. Definition Definition Definition Definition Definition Definition Definition Definition Definition Definition Definition Definition Definition Definition Definition A classification created by the Nuclear Regulatory Commissions that includes material that is not traditional ore, that can be processed to recover uranium for its source material content. 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 necessary to determine the means by which a recognized and specific need may be met. This activity includes work leading necessary to determine the means by which a recognized in prototypes and recognized of the production of useful materials and improvement of prototypes and recognized and support processes in the resulting design, development, and who has the authority to execute this survey on behalf of the organization when the 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. 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 rea
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Conventional Mining The act of removing uranium ore from deep underground shafts or shallow open pits.
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Any product or consider that your proprietion produces that is ultimately used by the U.C. government for
Any product or service that your organization produces that is ultimately used by the U.S. government for Defense-related Activities defense purposes, whether by the armed services, the Department of Defense, or any other U.S. government
entity.
Depleted Uranium Uranium in which the percentage fraction by weight of U-235 is less than 0.711 percent.
The design, simulation, and testing of a prototype, including experimental software or hardware systems, to
Development validate technological feasibility or concept of operation in order to reduce technological risk, or provide test
systems prior to production approval.
Includes enriched uranium oxide, enriched uranium hexafluoride, and other enriched uranium. Uranium
Enriched 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.
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
Facility 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 Corrupt Pract
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
U.S.C. §§ 78dd-1 agents. Agents can include third party agents, consultants, distributors, joint-venture partners, and others.

Fuel Assemblies	A structured group of fuel rods (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, 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).
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.
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.
Term Contract	Contracts with one or more uranium deliveries to occur after a year following the contract execution (signed date), and as such, may reflect some agreements of short and medium terms, as well as longer term.
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.

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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.
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 contract, 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.
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 (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 Metal (Depleted)	A byproduct of enrichment (tailings) or fission, 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 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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Previous Page							Next Page
		1	: Organization	Information			
Provide the following information	for your organization						
Organization Name							
Street Address							
City							
State							
A. 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 who	le or in part, by any priv	ate or governn	nent entity? Inc	dicate Yes/No. 1	then identify the entities belo	ow. if	
applicable. List entities with at least	• • • • • •				,	-	
Entity Name	Global Headq	uarters Street	Global Head	quarters City	Global Headquarters	Global Headquarters	Ownership %
	Add	Iress			State/Province	Country	
В.							
At the global headquarters level, in materials, product development as inside and outside the U.S.				cilities that you			le facilities,
Uranium Mining							
Uranium Milling							
C. Uranium Conversion							
Uranium Enrichment							
Fuel Fabrication							
Product Development & Design							
Research & Development							
Uranium Storage Facility for Third	Party Materials						
Other	(specify)						
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From 2014 - 2015, record the total number of morgers, singulations, and diversitues related to from sed surround field electronic fluid flatoration, product development and duego, and skill on which your organization periodicated. Toganization Name	Pre	vious F	Page							Next Page
From 2015 - 2018, record the total number of requests, account form, and designations of control sure furning mining, miling, conversion. Type of Activity Not Committee Partner Organisation Partner										
Type of Activity Type of Acti							Merg	ers, Acquisitions, and Divesiture	es	
1							uel cycle activities,	including mining, milling, conve	rsion,	
2			Organization Name	Type of Activity			Year Initiated	Primary Scope of Activity		Explain
A		_							Access to financial resources	
A 6 S		2						Milling		
A 5 Fuel Fabrication Fuel Fabrication Creation of new technologies Improved access to U.S. markets Federal Costs F		3								
READ Improved access to foreign markets Im		4								
Production Name Type of Joint Venture Type of Joint Type of Joint Venture Type of Joint Typ	A.	_								
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14									Other objective/purpose (explain)	
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From 2014 - 2018, record the total number of joint ventures and other business partnerships related to front-end uranitum fuel cycle activities, including mining, milling, conversion, fuel fabrication, product development and design, and R&D, including public/private partnerships, in which your organization participated. Organization Name		_								
From 2014 - 2018, record the total number of joint ventures and other business partnerships related to front-end uranium fuel cycle activities, including mining, milling, conversion, fuel fabrication, product development and design, and RRD, including public/private partnerships, in which your organization participated. Voganization Name		15								
enrichment, fuel fabrication, product development and design, and R&D, including public/private partnerships, in which your organization participated. Organization Name								Joint Ventures		
enrichment, fuel fabrication, product development and design, and R&D, including public/private partnerships, in which your organization participated. Organization Name		From 2	2014 - 2018, record the total nu	umber of joint ventur	es and other business partners	hips related to front-end up	ranium fuel cycle a	ctivities, including mining, millin	g. conversion.	
Type of Joint Venture									g, ,	
Venture Vent					, , , , , , , , , , , , , , , , , , , ,	,,,	7			
			Organization Name			-	Year Initiated	Primary Scope of Relationship	Primary Purpose of Relationship	Explain
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B. 4		2								
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BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act			Comments:							
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						3a: Facility Information						
						U.S. Facilities						
					d in the front-end uranium fuel cycle, inc		enrichment, fuel fabrication	n, product development, uranium				
for third party materials, or R&D a	ictivities, including o	defense-related produc	ts or services. If a single facility p	performs multiple functions, list	the facility on multiple lines and identify	each separately.						
					ication, development & design, and R&I					er the work is defense-related	, and any expected cha	nge in operations (e.g. expansion
rker layoffs, shutdown, etc.) from 2	019-2023. If the fac	ility produced uranium	in any form, report the 2018 pr	roduction volume. If a single facil	ity provides multiple functions, list the f	acility on separate lines, and indica	te the scope of work and otl	her relevant information separatel	у.			
						Operating Stat	:us		Defense-Related	2018 Production	1 Volume	
U.S. Facility Name	City	State	Scope of Activity	Facility Type	O	Start Date of Standby/Idle or	Projected	Status of Occasion Descrit	Activities?	Dandood	Values	Expected Change 2019-202
					Operating Status	Decommissioning	Completion/Operation	Status of Operating Permit	Activities?	Product	Volume	
			Mining	Surface - Open Pit Mining	Under development for future use							
			Milling	Underground Mining								
			Conversion	In-Situ Mining								
			Enrichment	By Product Mining								
			Fuel Fabrication	Conversion								
			R&D	Gaseous Diffusion								
			Development and Design	Gas Centrifuge								
			Storage	Laser Separation		1			1			
			1	Category 1 Fuel Facility		1			1		+	1
				Category 3 Fuel Facility								
				Mixed Oxide Fuel Fabrication								
			+	Nonpower Reactor Fuel								+
			+	Nonpower Reactor Fuel								+
			+									
in the 2019-2023 period, explain						Non-U.S. Facilities						
	the circumstances				volved in the front-end uranium fuel cyc	le, including mining, milling, conve	rsion, enrichment, fuel fabri	cation, product development,				
in the 2019-2023 period, explain is action.	the circumstances				volved in the front-end uranium fuel cyc ions, list the facility on multiple lines an	le, including mining, milling, conve	rsion, enrichment, fuel fabri	cation, product development,				
in the 2019-2023 period, explain is action. the total number of facilities that storage for third party materials,	the circumstances your organization cor R&D activities, in	ncluding defense-relate	d products or services. If a single	e facility performs multiple funct	ions, list the facility on multiple lines and	le, including mining, milling, conve d identify each separately.			rv. scope of work, operat	ing status, whether the work	is defense-related. and	any expected change in operat
in the 2019-2023 period, explain s action. he total number of facilities that storage for third party materials, bur organization's facilities involv	your organization cor R&D activities, in	ncluding defense-relate	ed products or services. If a single es, including mining, milling, con	e facility performs multiple funct	ions, list the facility on multiple lines an ication facilities, development & design	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside	e the United States, identifyi	ng each facility's name, city, count		ing status, whether the work	is defense-related, and	any expected change in operat
in the 2019-2023 period, explain is action. the total number of facilities that storage for third party materials, our organization's facilities involve.	your organization cor R&D activities, in	ncluding defense-relate	ed products or services. If a single es, including mining, milling, con	e facility performs multiple funct	ions, list the facility on multiple lines and	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside actions, list the facility on separate	e the United States, identifyi lines, and indicate the scope	ng each facility's name, city, count				any expected change in operat
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in the 2019-2023 period, explain s action. he total number of facilities that storage for third party materials, bur organization's facilities involv	your organization cor R&D activities, in	ncluding defense-relate	ed products or services. If a single es, including mining, milling, con	e facility performs multiple funct	ions, list the facility on multiple lines an ication facilities, development & design	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside actions, list the facility on separate	e the United States, identifyi lines, and indicate the scope	ng each facility's name, city, count	nation separately.			
n the 2019-2023 period, explain action. Ne total number of facilities that torage for third party materials, ur organization's facilities involve xpansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran own, etc.) from 2019	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
the 2019-2023 period, explain action. e total number of facilities that orage for third party materials, ur organization's facilities involv pansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran own, etc.) from 2019	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
n the 2019-2023 period, explain action. e total number of facilities that torage for third party materials, ur organization's facilities involvepansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran own, etc.) from 2019	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
n the 2019-2023 period, explain action. e total number of facilities that torage for third party materials, ur organization's facilities involvepansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran own, etc.) from 2019	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
n the 2019-2023 period, explain action. e total number of facilities that torage for third party materials, ur organization's facilities involvepansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran own, etc.) from 2019	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
n the 2019-2023 period, explain action. Ne total number of facilities that torage for third party materials, ur organization's facilities involve xpansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran own, etc.) from 2019	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
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in the 2019-2023 period, explain s action. he total number of facilities that storage for third party materials, our organization's facilities involvexpansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran own, etc.) from 2019	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
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in the 2019-2023 period, explain s action. the total number of facilities that storage for third party materials, our organization's facilities involvexpansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
in the 2019-2023 period, explain s action. the total number of facilities that storage for third party materials, our organization's facilities involvexpansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
in the 2019-2023 period, explain is action. the total number of facilities that storage for third party materials, your organization's facilities involve expansion, worker layoffs, shutdo	the circumstances your organization coor R&D activities, in red in front-end uran	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
in the 2019-2023 period, explain is action. the total number of facilities that storage for third party materials, vour organization's facilities involv expansion, worker layoffs, shutdo Non-U.S. Facility Name	the circumstances your organization or or R&D activities, ir ed in front-end ura wwn, etc.) from 2019 City	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
in the 2019-2023 period, explain is action. the total number of facilities that storage for third party materials, our organization's facilities involvexpansion, worker layoffs, shutdon Non-U.S. Facility Name	the circumstances your organization or or R&D activities, in red in front-end ura nwn, etc.) from 2019 City	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	
in the 2019-2023 period, explain is action. the total number of facilities that storage for third party materials, your organization's facilities involve expansion, worker layoffs, shutdo	the circumstances your organization or or R&D activities, in red in front-end ura nwn, etc.) from 2019 City	ncluding defense-relate nium fuel cycle activition 9-2023. If the facility pr	ed products or services. If a single es, including mining, milling, con roduces uranium in any form, rej	e facility performs multiple funct oversion, enrichment, or fuel fabr port the 2018 production volume	ions, list the facility on multiple lines an ication facilities, development & design e. If a single facility provides multiple fur	le, including mining, milling, conve d identify each separately. , and R&D, that are located outside ctions, list the facility on separate Operating Stat Start Date of Standby/Idle or	e the United States, identifyi lines, and indicate the scope cus Projected	ng each facility's name, city, count e of work and other relevant inforn	Defense-Related	2018 Production	n Volume	any expected change in operation of the control of

3b: Undeveloped Uranium Resources																
List any undeveloped uranium deposits	held by your organizat	tion, whether inside th	he U.S. or outside the U.S.													
If your organization does not own any	undeveloped uranium o	deposits inside the U.S	S. or outside the U.S., plea	se select 'Not Applicable'	and proceed to 3c.											
							U.S. Uı	ndeveloped Deposits								
U.S. Location Name	County	State	Deposit Size (Acres)	Recovery Method	Reserves	Measured Indicated		Estimated Per-Pound		Reserves and Resource	11- 4- ¢100 D	Pounds) Greater than \$100	Factors Affecting I	Development	Expected Required FTEs if	
				·		Resources (Pounds)	(Pounds)	Production Cost	Up to \$30 per Pound	Up to \$50 per Pound	Pound	Per Pound	Factor of Highest Impact	Degree of Impact	Developed	
1			-										Operations Costs	High		
2													Regulatory Compliance (Non- Environmental)	Medium		
3													Environmental Compliance	Low		
5													Employment Costs Legal Costs	None		
6			+										Uranium Spot Prices			
A. 7													Other			
8																
9																
10			+													
12			+													
13																
14																
15																
Are there any other factors impact develop undeveloped U.S. deposits							Non-U.S.	Undeveloped Deposits								
									Total I	Reserves and Resource	es by Forward Cost (Pounds)				
Non-U.S. Location Name	Municipality	Country	Deposit Size (Acres)	Recovery Method	Reserves	Measured Indicated Resources (Pounds)	(Pounds)	Estimated Per-Pound Production Cost	U- 4- 620 Dd	U- 4- 650 Dd	Up to \$100 Per	Greater than \$100	Factors Affecting I	Development	Expected Required FTEs if Developed	
						resources (Fouries)	(rounds)	Froduction cost	Up to \$30 per Pound	Up to \$50 per Pound	Pound	Per Pound	Factor of Highest Impact	Degree of Impact	Developed	
1			!										Operations Costs	High		
2													Regulatory Compliance (Non- Environmental)	Medium		
3 4													Environmental Compliance Employment Costs	Low None		
5			+										Legal Costs	None		
6													Uranium Spot Prices			
7										-			Other			
B. 8			+													
10			+													
11																
12																
13 14																
15			+													
				1	1	1	1	1			1					
	Are there any other factors impacting your decision to develop undeveloped non-U.S. deposits? If yes, describe.															
Comments								Comments								
develop undeveloped non-U.S. deposits? If yes, describe.																

Previous Page Next Page

3c: Changes in U.S. Facility Operations, 1999 - Present

Since 1999, identify any front-end uranium fuel cycle-related facility, reasons for the change in operations, 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/gian of 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 with a "-" symbol. If a single facility has gone through multiple changes, list the facility on multiple lines and identify each separately.

						Impacted Products		FTEs Impacted	Fundada	
Facility Name	Activity	Type of Change	Reason for Change	Date of Change	Type of Change	Product	Number of Impacted Units	FIES Impacted	Explain	
	Mining	Closure			Increase					
	Milling	Standby/Idle			Decrease					
	Conversion	Relocation			No Change					
	Enrichment	Contraction								
	Fuel Fabrication	Expansion								
	R&D	Expansion								
	Development and Design	Significant Modernization								
		Transfer/Sale								
		Deferred Production								
		Other								
-										

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 shutdown 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.

	Facility Name	Possible to	Estimated Time to	Estimated Total Cost to Restart	(in			Estimated Cost of Each Factor (in	Explain
	racility Name	Restart?	Restart (in days)	\$1000s USD)		Factor	Degree of Impact	\$1000s USD)	Ехрівііі
						Operations	High		
						Regulatory Compliance (Non-	Moderate		
						Environmental)			
1						Environmental Compliance	Low		
						Employment	None		
						Legal			
						Other (specify)			
						Operations			
						Regulatory Compliance (Non-			
						Environmental)			
2						Environmental Compliance			
						Employment			
						Legal			
						Other (specify)			
						Operations			
						Regulatory Compliance (Non-			
						Environmental) Environmental Compliance			
3						Employment Employment			
						Legal			
						Other (specify)			
						Operations Operations			
-						Regulatory Compliance (Non-			
						Environmental)			
1						Environmental Compliance			
7						Employment			
						Legal			
						Other (specify)			
						Operations			
						Regulatory Compliance (Non-			
						Environmental)			
5						Environmental Compliance			
						Employment			
						Legal			
						Other (specify)			

	Operations	
	Regulatory Compliance (Non-	
	Environmental)	
6	Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	
	Operations	
	Regulatory Compliance (Non-	
	Environmental)	
7	Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	
B.	Operations (Alarm	
	Regulatory Compliance (Non-	
8	Environmental) Environmental Compliance	
•	Employment Employment	
	Legal	
	Other	
	Operations	
	Regulatory Compliance (Non-	
	Environmental)	
9	Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	
	Operations	
	Regulatory Compliance (Non-	
	Environmental)	
10	Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	
	Operations	
	Regulatory Compliance (Non-	
	Environmental)	
11	Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	
	Operations	
	Regulatory Compliance (Non-	
10	Environmental)	
12	Environmental Compliance	
	Employment	
	Legal	
	Other (specify) Operations	
	Regulatory Compliance (Non- Environmental)	
13	Environmental) Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	
	Operations	
	Regulatory Compliance (Non-	
	Environmental)	
14	Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	
	Operations	
	Regulatory Compliance (Non-	
	Environmental)	
15	Environmental Compliance	
	Employment	
	Legal	
	Other (specify)	

stimated Cost of Each Factor Explain

				Operations		
				Regulatory Compliance (Non-		
				Environmental)		
1	11			Environmental Compliance		
				Employment		
				Legal		
				Other (specify)		
				Operations		
				Regulatory Compliance (Non-		
				Environmental)		
1	12			Environmental Compliance		
				Employment		
				Legal		
_				Other (specify)		
				Operations		
				Regulatory Compliance (Non-		
				Environmental)		
1	13			Environmental Compliance		
				Employment		
				Legal		
_				Other (specify)		
				Operations (No.		
				Regulatory Compliance (Non-		
١.				Environmental) Environmental Compliance		
-	14			Employment Employment		
				Legal		
				Other (specify)		
-				Operations		
				Regulatory Compliance (Non-		
				Environmental)		
	15			Environmental Compliance		
				Employment		
				Legal		
				Other (specify)		
				C.F. C.F.		
A	answer the following questions about postponement of decomissioning, and	the costs associated with ma	intaining facilities in standby/idle.			
H			l			
	If any of your facilities are in standby, have you filed for a postponement	of				
	If any of your facilities are in standby, have you filed for a postponement decommissioning under 10 CFR § 40.42?		If yes, explain:			
	•					
D.						
	If any of your facilities are in standby, 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?		7-7- 1			
	3 Describe the costs associated with maintaining a facility in standby.					
	o, in standay.					
	Commonto					
	Comments:					
			_			
			BUSINESS (CONFIDENTIAL - Per Section 705(d) of	the Defense Production Act	

revious Page					And I C Dundreding							Next P
dentify the quantity of each uranium type produced an			lities for the 2014 to		4a: U.S. Production cord the projected a		n your organization	will produce in 20	019 (estimates accep	oted). Record the	amounts in the mea	surements
ecified in parentheses next to each type, as well as th	e equivalent amou	nt in Kg U-235.		Urai	nium Ore and Conce	entrates						
Please select 'Not Applicable' if the below category of products below is not relevant to your												
organization. Type of Uranium	20)14	201	15	20	16	20	17	20	18	2019 (Pr	ojected)
HTS Code: 2612.10.00.00	Pounds of U3O8	Equivalent Amount of	Pounds of U3O8	Equivalent Amount of	Pounds of U3O8	Equivalent Amount of	Pounds of U3O8	Equivalent Amount of	Pounds of U3O8	Equivalent Amount of	Pounds U3O8	Equivalent Amount of
Uranium Ore (Pounds of U3O8) Uranium Concentrate (Pounds of U3O8)		Kg U-235		Kg U-235		Kg U-235		Kg U-235		Kg U-235		Kg U-235
oranium concentrate (Pounds of 0508)				Natura	al Uranium (Not Cor	mpounds)			1			
Please select 'Not Applicable' if the below category of products below is not relevant to your organization.												
Type of Uranium	20	014	200		20		20		20	18	2019 (Pr	
HTS Code: 2844.10.10.00 (Metal) HTS Code: 2844.10.50.00 (Other)	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalen Amount o Kg U-235
Uranium Metal (Kg U)				· ·								
Other (Kg U)					Uranium Compour	nde					<u> </u>	
Please select 'Not Applicable' if the below category of products below is not relevant to your organization.					Oramium compour	143						
Type of Uranium	20)14	201	15	20	16	20	17	20	18	2019 (Pr	ojected)
HTS Code: 2844.10.20	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount o Kg U-235
Uranium Compounds - Oxide (Kg U)		<u> </u>		•								
Uranium Compounds - Hexafluoride (Kg U) Uranium Compounds - Other (Kg U)												
Oraniam compounds - Other (kg o)					Depleted Uraniu	m						
Please select 'Not Applicable' if the below category of products below is not relevant to your organization.												
Type of Uranium	20	014	201		20		20		20	18	2019 (Pr	
HTS Code: 2844.30.20 (Compounds and Other) HTS Code: 2844.30.50 (Metal)	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalen Amount o Kg U-235
Depleted Uranium - Oxide (Kg U) Depleted Uranium - Fluorides (Kg U)												
Depleted Uranium - Other (Kg U)												
Depleted Uranium - Metal (Kg U)					Enriched Uraniur	n						
Please select 'Not Applicable' if the below category of products below is not relevant to your organization.												
Type of Uranium	20	014	201		20		20		20	18	2019 (Pr	
HTS Code: 2844.20.00	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalent Amount of Kg U-235	Kg U	Equivalen Amount o Kg U-235
Enriched Uranium - Oxide (Kg U) Enriched Uranium - Hexafluoride (Kg U)												
Enriched Uranium - Other (Kg U)												
		<u> </u>			Fuel Assemblies	3					<u>'</u>	ļ.
Please select 'Not Applicable' if the below category of products below is not relevant to your organization.												
Type of Uranium	20)14	201		20		20		20		2019 (Pr	
HTS Code: 8401.30.00.00	Unit Specified	Equivalent Amount of Kg U-235	Unit Specified	Equivalent Amount of Kg U-235	Unit Specified	Equivalent Amount of Kg U-235	Unit Specified	Equivalent Amount of Kg U-235	Unit Specified	Equivalent Amount of Kg U-235	Unit Specified	Equivalen Amount o Kg U-235
PWR (Finished Fuel Assembly Units)			1					-				
Average Total LEU Contained in each PWR Fuel Assembly (KgU)												
BWR (Finished Fuel Assembly Units) Average Total LEU Contained in each BWR Fuel Assembly (KgU)												
Other (Finished Fuel (specify)		1						1		1	1	1
Assembly Units) Average Total LEU Contained in each Other Fuel Assembly (KgU)												
Comments:		II.	1		1		1		1		1	I.
			BUSINESS C	ONFIDENTIAL - P	er Section 705(d) of	the Defense Pro	duction Act					

For 2014 to 2018 operations at your U.S. facilities, provide the operating production capacity, licensed production capacity, actual production, average marginal production cost per unit (2018 only), and the average utilization rate to maintain profitability (2018 only). If a single facility performs multiple functions, list the facility on multiple lines and identify each separately.

Facility Name	Uranium Type	Production and Inventory	2014	2015	2016	2017	2018
		Operating Production Capacity					
		Licensed Production Capacity 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					
		Actual Production					
		Average Marginal Production Cost per Unit					
		Average Capacity Needed to Maintain Profitability					
Facility Name	Uranium Type	Production and Inventory Operating Production Capacity	2014	2015	2016	2017	2018
		Licensed Production Capacity					
		Actual Production					
		Average Marginal Production Cost per Unit					
Facility Name	Uranium Type	Average Utilization Rate Required to Maintain Profitability Production and Inventory	2014	2015	2016	2017	2018
racincy rame	Ordinalii Type	Operating Production Capacity	2024	2013	2010	2017	2010
		Licensed Production Capacity					
		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					
		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 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
		Operating Production Capacity Licensed Production Capacity					
		Actual Production					
		Average Marginal Production Cost per Unit					
FIIIa - N	Here's	Average Utilization Rate Required to Maintain Profitability					
Facility Name	Uranium Type	Production and Inventory Operating Production Capacity	2014	2015	2016	2017	2018
		Licensed Production Capacity					
		Actual Production					
		Average Marginal Production Cost per Unit					
Facility Name	Uranium Type	Average Utilization Rate Required to Maintain Profitability Production and Inventory	2014	2015	2016	2017	2018
racinty Name	Oraniani Type	Operating Production Capacity	2014	2013	2010	2017	2018
		Licensed Production Capacity					
		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 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 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					
		Actual Production					
		Average Marginal Production Cost per Unit					
		Average Utilization Rate Required to Maintain Profitability					
Facility Name	Uranium Type	Production and Inventory Operating Production Capacity	2014	2015	2016	2017	2018
		Licensed Production Capacity					
		Actual Production					
		Average Marginal Production Cost per Unit					
Facility Name	Uranium Type	Average Utilization Rate Required to Maintain Profitability Production and Inventory	2014	2015	2016	2017	2018
racincy Harric	Gramam Type	Operating Production Capacity	2014	2013	2010	2017	2018
		Licensed Production Capacity					
		Actual Production					
		Average Marginal Production Cost per Unit					-
Facility Name	Uranium Type	Average Utilization Rate Required to Maintain Profitability Production and Inventory	2014	2015	2016	2017	2018
	2.2am 1,pc	Operating Production Capacity	2314	2013	2010	2017	2010
		Licensed Production Capacity					
		Actual Production					
		Average Marginal Production Cost per Unit Average Utilization Rate Required to Maintain Profitability					<u> </u>
		riverage offization nate negation to infanitality					

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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 U.S. and Export Sales 2014 2015 2016 Uranium Type 2017 2018 2019 (Projected) U.S. Sales (Units) 1 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) 2 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) U.S. Sales (\$) Export Sales (Units) Export Sales (\$) U.S. and Export Sales Uranium Type 2014 2015 2016 2017 2018 2019 (Projected) U.S. Sales (Units) 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) 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) U.S. Sales (\$) Export Sales (Units) Export Sales (\$) 2014 2015 2016 2017 2018 Uranium Type U.S. and Export Sales 2019 (Projected) U.S. Sales (Units) 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) 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) 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) U.S. Sales (\$) 10 Export Sales (Units) Export Sales (\$) U.S. and Export Sales Uranium Type 2014 2015 2016 2017 2019 (Projected) U.S. Sales (Units) U.S. Sales (\$) Export Sales (Units) Export Sales (\$) Uranium Type U.S. and Export Sales 2014 2015 2016 2018 2019 (Projected) 2017 U.S. Sales (Units) 13 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) 13 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) 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) 15 U.S. Sales (\$) Export Sales (Units) Export Sales (\$) Comments:

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A. A. A. A. A. Description of the control of the given calendar year, and only include inventory for which your organization has title. Do not record inventory information that is designated for a third party. Type of Product in inventory at any Facility Average Amount in Inventory U.S. Location (State) Non-U.S. Location (Country)	<u>Previo</u>	us	<u>Page</u>	4d: Inventory and Pr	oduction Capacity		
Type of Product in Inventory at any Facility 1				n bearing product inventory for the 201	4 to 2018 period. Record inven	tory information for the end of the ${\mathfrak g}$	given calendar year, and only
A. A. 1			Type of Product in Inventory at any Facility	Average Amount in Inventory	Location	of Inventory	
A. A. Does your organization have an excess of source materials or enriched materials beyond normal business needs? If yes, explain the factors contributing to the excess in inventory is primarly U.S. or Non-U.S. based. Explain what impact this has had on your business operations. Comments: Comments:				Average Amount in inventory	U.S. Location (State)	Non-U.S. Location (Country)	Inventory (in days)
A. A. 1 1							
A. A. 2 1 2 5 6 6 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9							
A. A. 1 6 7							
A. A. 11							
A. A. 9 10		1					
A. 10 11 12 13 14 15 15 16 16 16 17 17 18 18 19 19 19 19 19 19							
A.							
12 13 14 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. Comments:	Α.						
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. Comments:							
Does your organization have an excess of source materials or enriched materials beyond normal business needs? 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. Comments:							
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. Comments:							
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. Comments:			materials or enriched materials beyond normal				
		2	inventory, and include whether the location of the inventory is primarly U.S. or Non-U.S. based. Explain	·			
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				BUSINESS CONFIDENTIAL - Per Section 7	705(d) of the Defense Producti	on Act	

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		5:	Financials			
Prov	ride the following financial line items for your orga	nization's uranium	and nuclear fuel pro	cessing-related U.S.	operations below for	the 2014 to 2018
peri	od.					
			Record Ś in Thousan	ds. e.g. \$12.000.00 :	= survey input of \$12	
Α.	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					
	Dalamas Charet (Calaet Line Itama)		Record \$ in Thousan	ds, 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					
Note	e: Total Assets must equal Total Liabilities plus Tota	al Owner's Equity.				
		. ,				
В.	Answer the following questions related to your o	rganization's uranic	um and nuclear fuel p	processing-related ta	ix expenditures.	
		2014	2015	2016	2017	2018
1	Federal Taxes Paid					
2	State Taxes Paid					
3	Local Taxes Paid					
	Comments:					
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	2 2 3 11 12 3 3 4 5 1 11					

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		6: Capital Expenditure	es			
secord your organization's uranium and nuclear fuel proce	ssing-related capital expenditures co	rresponding to the select o	categories below for the 2014 t	to 2018 period.		
Capital Expenditure Activity	<i>r</i> Type		Record \$ in Thousands	, e.g. \$12,000.00 = surv	ey input of \$12	
		2014	2015	2016	2017	2018
A Total Capital Expenditures						
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]						
ines 1 through 5 must total 100%						
For the below categories, indicate whether your organi Explain what factors have been affecting changes in you foreign competition, and declining uranium prices.						
1 Machinery, Equipment, and Vehicles						
2 IT, Computers, Software						
3 Land, Buildings, and Leasehold Improvements						
4 Other (Specify)						
5 Other (Specify)						
Comments:						
	BUSINESS CONFIDENTI	AL - Per Section 705(d) of	the Defense Production Act			

Prev	1003	Tage			7.0	esearch & Developn	ant			Next Page
		your organization conducted ur development (R&D) in the past		cessing-related research		If no, proceed to Sec				
Reco	ord y	our organization's total R&D dol	llar expenditures and type of R	&D expenditure for the 2	2014 to 2018 period.					
						Reco	rd \$ in Thousands, e	.g. \$12,000.00 = survey input o	f \$12	
				201	14	20		2016	2017	2018
	1	Total R&D Expenditures						2030	2021	
В.	2	Basic Research [as a % of B1]								
Б.	3	Applied Research [as a % of B1]								
	4	Product/Process Development	[as a % of B1]							
	5	Total of 2 - 4 [must equal 100%	6]	0%	6	0'	%	0%	0%	0%
Iden	tify y	your organization's R&D funding	sources, by percent total of R	&D dollars sourced.						
								.g. \$12,000.00 = survey input o	\$12	
				201	14	20	15	2016	2017	2018
		Total R&D Funding Sources								
		Internal/Self-Funded/IRAD [as a								
C.		Total Federal Government [as a								
		Total State and Local Governm								
		Universities - Public and Private U.S. Industry, Venture Capital,								
		Non-U.S. Investors (as a percent of								
			(specify here)							
	_	Total of 2 - 8 (must equal 100%		09	6	0'	%	0%	0%	0%
	,	For 2014 to 2018, did your	-,	If yes, explain and					570	576
		organization experience		identify additional R&D						
D.	1	constraints (for example,		activities that would						
		inadequate revenue) on U.S.		occur absent those						
		R&D activities?		constaints.						
	Fror	m 2009 to 2018, list any U.S. exp	loration, drilling, mining, uran	ium recovery application	s, or other permits (Fe	deral, State, or Local	relating to the nucl	lear fuel cycle that your organiza	ition currently owns, or for wh	ich your organization currently has a
		ding application. Include the reg								
		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)
	1									
	2									
E.	3									
	4									
	5									
	6									
	7									
	8			ļ						
	9									
	10									
	enc	your organization ountered obstacles with the mitting process?		If yes, indicate the type	of difficulty and explai	n below.				
		Explain:								
	fees	e your licensing or permitting sincreased in the last five rs? If so, explain.								
F.	sug	es your organization have any gestions that would help rove the permitting process?								
		Comments:								
				BUSIN	NESS CONFIDENTIAL - F	Per Section 705(d) of	the Defense Produc	ction Act		-

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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 combinations 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:

Subcategories 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.

Subcategories 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 should include both material imported into the U.S. that 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.

Subcategories 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 B 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.

Subcategories 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. Subcategory C 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.

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
Α	<u>Uranium imported into the U.S. for milling services.</u>	
В	<u>Uranium imported into the U.S. for conversion services.</u>	
С	Uranium imported into the U.S. for enrichment services.	
D	<u>Uranium imported into the U.S. for fuel fabrication services.</u>	
E	Uranium imported into the U.S. for commercial inventory and/or market resale.	
F	<u>Uranium imported into the U.S. for any form for a reason not previously covered.</u>	
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act	

8a: Imports - Milling Only complete if your organization provides milling services. If your organization provides milling services which is then re-exported to a foreign country for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If your organization receives uranium that was imported into the U.S. for milling services that stays in the U.S. after milling services are complete for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If the material is received by book transfer or flag swap from the same organization, record the information on separate lines. Exporting organizations should include any individual brokers and/or traders that your organization purchases uranium products from. If your organization does not import uranium in any form for use in the nuclear fuel cycle, please select "Not Applicable" and proceed to Section 8B. PLEASE NOTE THE UNITS OF MEASURE IN THE HEADINGS. E.G. URANIUM ORE SHOULD BE RECORDED IN POUNDS. Uranium Ore (Pounds) Identify your organization's total number of suppliers for Uranium Ore. Where necessary, input 0. 2014 2015 2016 2017 2018 If re-exported outside of Country of Uranium Ore Manufacturer/Processor (if different Flag Swap? Book Swap? Supplier Supplier Headquarters the U.S., provide country of End-Use Origin from exporting company) Units Value (SUSD) Value (SUSD) Value (SUSD) Units Value (\$USD) Units Units Value (SUSD) Units final use Yes Commercial U.S. Government (Non-defense) U.S. Government (Defense) Other Unknown Uranium Concentrate (Pounds U3O8) Identify your organization's total number of suppliers for Uranium Concentrate. Where necessary, input 0. If re-exported outside of 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Headquarters Flag Swap? Rook Swan? End-Use Supplier the U.S., provide country of from exporting company) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) final use Uranium Metal (KgU) Identify your organization's total number of suppliers for Uranium Metal. Where necessary, input 0. 2014 2015 2016 2017 2018 If re-exported outside of Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? the U.S., provide country of End-Use Origin from exporting company) Value (\$USD) Units Value (\$USD) Units Value (\$USD) Units Value (\$USD) Units Value (\$USD) final use Natural Uranium - Not Compounds (KgU) Identify your organization's total number of suppliers for Natural Uranium - Not Compounds. Where necessary, input 0. If re-exported outside of 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? the U.S., provide country of End-Use from exporting company) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Origin Units Units Units Units Units final use

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						Uranium Compounds - Oxide (KgU)										
	nber of suppliers for Uranium															
- Oxide. Where necessar	y, input 0.															
Supplier	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of End-Use		2014	2	015	2	2016		2017		2018
Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	BOOK SWap?	final use		ALL (ALICE)		14.1 (Augn)		14.1 (41.60)		14.1 (41100)		
						illiai use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
					Hea	nium Compounds - Hexafluoride (KgU)										
r organization's total num	nber of suppliers for Uranium				Ura	nium Compounds - Hexaniuoride (kgo)										
- Hexafluoride. Where n																
- Hexalidolide. Where in	ecessary, input o.					If re-exported outside of		2014	2	015	2	2016		2017		2018
Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap?	Book Swap?	the U.S., provide country of End-Use										
	,	Origin	from exporting company)			final use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
										1			1		-	
																-
																_
	•		<u> </u>			Jranium Compounds - Other (KgU)										
r organization's total nun	nber of suppliers for Uranium					Jranium Compounds - Other (KgU)										
r organization's total nun - Other. Where necessar	nber of suppliers for Uranium y, input 0.					Jranium Compounds - Other (KgU)										
- Other. Where necessar	ry, input 0.	Country of Henrium Ora	Manufacturar/Drasserar lif-different			If re-exported outside of		2014	2	015	2	2016		2017		2018
			Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of End-Use										
- Other. Where necessar	ry, input 0.	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?		If re-exported outside of	Units	2014 Value (\$USD)	2 Units	015 Value (\$USD)		2016 Value (\$USD)				
- Other. Where necessar	ry, input 0.			Flag Swap?		If re-exported outside of the U.S., provide country of End-Use										2018 Value
- Other. Where necessar	ry, input 0.			Flag Swap?		If re-exported outside of the U.S., provide country of End-Use										
- Other. Where necessar	ry, input 0.			Flag Swap?		If re-exported outside of the U.S., provide country of End-Use										
- Other. Where necessar	ry, input 0.			Flag Swap?		If re-exported outside of the U.S., provide country of End-Use										
- Other. Where necessar	ry, input 0.			Flag Swap?		If re-exported outside of the U.S., provide country of End-Use										
- Other. Where necessar	ry, input 0.			Flag Swap?		If re-exported outside of the U.S., provide country of End-Use										
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- Other. Where necessar	ry, input 0.			Flag Swap?		If re-exported outside of the U.S., provide country of End-Use										
- Other. Where necessar	ry, input 0.			Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final use										
- Other. Where necessar Supplier	Supplier Headquarters			Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of End-Use										
- Other. Where necessar Supplier	y, input 0. Supplier Headquarters Supplier of suppliers for Depleted			Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final use										
- Other. Where necessar Supplier	y, input 0. Supplier Headquarters Supplier of suppliers for Depleted	Origin	from exporting company)	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final use final use Depleted Uranium - Oxide (KgU)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use End-Use final use Depleted Uranium - Oxide (KgU)	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier	y, input 0. Supplier Headquarters Supplier of suppliers for Depleted	Origin	from exporting company)	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final use final use Depleted Uranium - Oxide (KgU)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
- Other. Where necessar Supplier r organization's total nun r organization's total nun	Supplier Headquarters Supplier of suppliers for Depleted apput 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Depleted Uranium - Oxide (KgU) If re-exported outside of the U.S., provide country of find-Use	Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Valu

your organization's total num																	
n - Fluorides. Where necessary	, input 0.																
		Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	2015		2016		2017	2	018
Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	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
						tinai use											
						1											
						1											
						+											
		1				Depleted Uranium - Other (KgL	J)										
your organization's total num																	
n - Other. Where necessary, in	put 0.																
		Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	2015		2016		2017	2	018
Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$
		,				final use											
					+				1						1		1
		-			-						-				+		1
your organization's total num	ber of suppliers for Depleted					Depleted Uranium - Metal (KgL	J)										
your organization's total num n - Metal. Where necessary, in							J)	2	2014	2	2015		2016		2017	2	018
your organization's total num		Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	Depleted Uranium - Metal (KgL If re-exported outside of the U.S., provide country of final use	J) End-Use	Units 2	014 Value (\$USD)	Units	2015 Value (\$USD)	Units	2016 Value (\$USD)	Units	2017 Value (\$USD)	2 Units	018 Value (\$
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in Supplier	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of											
your organization's total num n - Metal. Where necessary, in	put 0.			Flag Swap?		If re-exported outside of the U.S., provide country of final use	End-Use										
your organization's total num n - Metal. Where necessary, in Supplier	Supplier Headquarters Supplier Fleadquarters ber of suppliers for Enriched			Flag Swap?		If re-exported outside of the U.S., provide country of	End-Use										
your organization's total num - Metal. Where necessary, in Supplier	Supplier Headquarters Supplier Fleadquarters ber of suppliers for Enriched	Origin	from exporting company)	Flag Swap?		If re-exported outside of the U.S., provide country of final use	End-Use	Units		Units		Units		Units		Units	
your organization's total num n - Metal. Where necessary, in Supplier	Supplier Headquarters Supplier Fleadquarters ber of suppliers for Enriched	Origin		Flag Swap?		If re-exported outside of the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (
your organization's total num n - Metal. Where necessary, in Supplier Supplier	Supplier Headquarters Supplier Headquarters ber of suppliers for Enriched put 0.	Origin	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Enriched Uranium Oxide (KgU If re-exported outside of the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (
your organization's total num n - Metal. Where necessary, in Supplier Supplier	Supplier Headquarters Supplier Headquarters ber of suppliers for Enriched put 0.	Origin	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Enriched Uranium Oxide (KgU If re-exported outside of the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (
your organization's total num n - Metal. Where necessary, in Supplier Supplier	Supplier Headquarters Supplier Headquarters ber of suppliers for Enriched put 0.	Origin	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Enriched Uranium Oxide (KgU If re-exported outside of the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
your organization's total num n - Metal. Where necessary, in Supplier Supplier	Supplier Headquarters Supplier Headquarters ber of suppliers for Enriched put 0.	Origin	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Enriched Uranium Oxide (KgU If re-exported outside of the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (
your organization's total num n - Metal. Where necessary, in Supplier Supplier	Supplier Headquarters Supplier Headquarters ber of suppliers for Enriched put 0.	Origin	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Enriched Uranium Oxide (KgU If re-exported outside of the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (
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your organization's total num n - Metal. Where necessary, in Supplier Supplier	Supplier Headquarters Supplier Headquarters ber of suppliers for Enriched put 0.	Origin	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Enriched Uranium Oxide (KgU If re-exported outside of the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (
your organization's total num n - Metal. Where necessary, in Supplier Supplier	Supplier Headquarters Supplier Headquarters ber of suppliers for Enriched put 0.	Origin	from exporting company) Manufacturer/Processor (if different		Book Swap?	If re-exported outside of the U.S., provide country of final use Enriched Uranium Oxide (KgU If re-exported outside of the U.S., provide country of	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (

						E	nriched Uranium Hexafluoride (KgU)										
ify your organization um - Hexafluoride. V		suppliers for Enriched pout 0.																
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of		2	014	2	015	2	2016	20	017	20	018
Suppli	er	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	the U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$L						
1																		
2																		
4																		
5																		
7																		
																		-
o l																		
							Enriched Uranium - Other (Kg	U)										
		suppliers for Enriched																
um - Other. Where n	ecessary, input 0.																	
Suppli	0.5	Exporting Organization	Country of Uranium Ore	Manufacturer/Processor (if different	Flan Course 2	Book Swap?	If re-exported outside of	End-Use	2	014	2	015	2	2016	21	017	21	018
Suppli	ei	Headquarters	Origin	from exporting company)	Flag Swap?	BOOK Swap:	the U.S., provide country of final use	Eliu-Ose	Units	Value (\$USD)	Units	Value (
5																		-
6																		
7																		
9																		
0																		-
						Fuel Asser	mblies (PWR, BWR, or Other) (F	nished Units)										
ify your organization		suppliers for Fuel																
mblies. Where necess	sary, input 0.						If re-exported outside of		2	014	-	015		2016	21	017	21	018
Suppli	er	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap?	Book Swap?	the U.S., provide country of	End-Use										
			Origin	from exporting company)			final use		Units	Value (\$USD)	Units	Value (
1																		<u> </u>
5																		
7																		
9																		
.0																		
Comment	-																	
Comment	5.																	
						JSINESS CONFIDEN												

				n that was imported into the U.S. for convi plete for final use, identify the suppliers ar														
	should include any individual br				ia the subsequence	ountry origin or the	material for each of the below	products for the 2014 to 20	710 period: ii tii	e material is receive	ved by book i	and the second	ap 110111 tile 3	arric organization, re	cord the mile	mation on separe	ite iiiesi Expe	211118
is category	of imports is not relevant to																	
r organizati	tion, please select 'Not																	
licable' and	d proceed to section Section																	
ASE NOTE 1	THE UNITS OF MEASURE IN THE	HEADINGS, E.G. URANIUM	ORE SHOULD BE RECORDED	IN POUNDS.														
							Uranium Ore (Pounds)											
	organization's total number of so ary, input 0.	uppliers for Uranium Ore.																
ere necesse	ary, input o.						If re-exported outside of the		20	014		2015		2016		017		2018
	Supplier	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use										
			Origin	from exporting company)			use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1						Yes		Commercial										
3						No		Research Government (Civilian)										
4								Government (Defense)										
5								Other										
6																		
7																		
9																		
10																		
		,	•			ι	Jranium Concentrate (Pounds I	J3O8)										
ntify your o	organization's total number of s	uppliers for Uranium																
centrate. V	Where necessary, input 0.																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		20	014		2015		2016		017		2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1							use											
2																		
3																		
4																		
5																		
7																		
8																		
9																		
10																		
							Uranium Metal (KgU)											
	organization's total number of s	uppliers for Uranium																
lai. Wriere	necessary, input 0.						If re-exported outside of the											
	Supplier	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	20	014		2015		2016		017		2018
	Заррисі	Supplier ricusquarters	Origin	from exporting company)	riug Swap.	Book Swap.	use	Liid OSC	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1																		
2																		
4																		
5																		
6																		
7																		
8																		
10																		
10						Na	tural Uranium - Not Compound	ls (KgII)										
: £		lif NI-4l					tarar oraniani - Not compount	13 (1180)										
	organization's total number of second compounds. Where necessary																	
	. compounds. where necessary,	, input o.					If re-exported outside of the		_									
	Supplier	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use		014		2015		2016		017		2018
			Origin	from exporting company)	8		use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1											-				-			
2						 				 				+				
3						 				+				+				
5																		
6																		
7						1				+				+ +				-
8						1				+				+				-
9						1				1								
101]	1	j l						1						1		

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							Uranium Compounds - Oxide (Kall)			_							
J		f f !					oranium compounds - Oxide (NSO1										
	ganization's total number o kide. Where necessary, inpu																	
compounds ox	vide. Where necessary, mp						If re-exported outside of the		1	2014		2015		2016		017	,	018
	Supplier	Supplier Headquarters	Country of Uranium Ore		Flag Swap?	Book Swap?	U.S., provide country of final	End-Use										
			Origin	from exporting company)		· ·	use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1																		
3																		
c 4																		
5																		
6																		
7																		
8																		
10																		
10						Ura	nium Compounds - Hexafluorio	de (KgU)										
dentify your orga	ganization's total number o	f suppliers for Uranium																
	exafluoride. Where necessa																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		2	2014		2015		2016	2	017	2	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
			Ong	nom exporting company)			use		Oilles	value (\$035)	OTHES	raide (\$055)	Oillis	value (\$055)	Oilles	value (\$055)	Oillio	value (\$055)
2										+		+						
3																		
F 4																		
5																		
6																		
7																		
9																		
10																		
							Uranium Compounds - Other (KgU)										
	ganization's total number o																	
Compounds - Oth	ther. Where necessary, inpu	ut 0.					If re-exported outside of the											
	Supplier	Supplier Headquarters	Country of Uranium Ore		Flag Swap?	Book Swap?	U.S., provide country of final	End-Use		2014		2015		2016		017		018
			Origin	from exporting company)			use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1																		
2																		
6 4																		
5																		
6																		
7																		
8		-	1	<u> </u>						1		+				+		
10																		
10							Depleted Uranium - Oxide (K	ξU)										
	ganization's total number o	f suppliers for Depleted																
Identify your org																		
	. Where necessary, input 0	l																018
). 					If re-exported outside of the		2	2014		2015		2016			2	
		Supplier Headquarters	Country of Uranium Ore		Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final	End-Use		2014		2015		2016		017		
	. Where necessary, input 0		Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?		End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	2 Units	Value (\$USD)
Uranium - Oxide.	. Where necessary, input 0				Flag Swap?	Book Swap?	U.S., provide country of final	End-Use										
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8c: Imports - Enrichment Services Only complete if your organization provides enrichment services. If your organization receives uranium that was imported into the U.S. for enrichment services which is then re-exported to a foreign country for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If your organization receives uranium that was imported into the U.S. for enrichment services that stays in the U.S. after enrichment services that stays in the U.S. after enrichment services are complete for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If the material is received by book transfer or flag swap from the same organization, record the information on separate lines. Exporting organizations should include any individual brokers and/or traders that your organization purchases uranium products from. If this category of imports is not relevant to your organization, please select 'Not Applicable' and proceed to section Section PLEASE NOTE THE UNITS OF MEASURE IN THE HEADINGS. E.G. URANIUM ORE SHOULD BE RECORDED IN POUNDS. Uranium Ore (Pounds) Identify your organization's total number of suppliers for Uranium Ore. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use Origin from exporting company) Units Value (\$USD) Commercial Yes Yes Research Government (Civilian) Government (Defense) Other 10 Uranium Concentrate (Pounds U3O8) Identify your organization's total number of suppliers for Uranium Concentrate. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use Value (\$USD) Value (\$USD) Origin from exporting company) Units Units Value (\$USD) Units Units Value (\$USD) Units Value (\$USD) Uranium Metal (KgU) lentify your organization's total number of suppliers for Uranium Metal. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use from exporting company) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Origin Units Units Units Units Units 10 Natural Uranium - Not Compounds (KgU) dentify your organization's total number of suppliers for Natural Uranium - Not Compounds. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use Units Value (\$USD) Units Value (\$USD) Value (\$USD) Units Value (\$USD) Units Value (\$USD) Origin from exporting company) Units

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2 3 4 4 5 5 6 6 7 7 8 8 9 9 110 10 11 12 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Supplier anization's total number Where necessary, input	Supplier Headquarters of suppliers for Enriched 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different			If re-exported outside of the U.S., provide country of final use End-Us Enriched Uranium Oxide (KgU) If re-exported outside of the U.S., provide country of final End-Us	Units	Value (\$USD)	Units 2	Value (\$USD)	Units 20	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$
2 3 4 4 5 5 6 6 6 7 7 8 8 9 9 110 1 1 1 2 2 3 3 4 4 5 5 6 6	Supplier anization's total number Where necessary, input	Supplier Headquarters of suppliers for Enriched 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different			If re-exported outside of the U.S., provide country of final use End-Us Enriched Uranium Oxide (KgU) If re-exported outside of the U.S., provide country of final End-Us	Units	Value (\$USD)	Units 2	Value (\$USD)	Units 20	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$
2 3 3 4 5 5 6 6 7 8 8 9 9 110 11 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 9 110 10 10 10 10 10 10 10 10 10 10 10 10	Supplier anization's total number Where necessary, input	Supplier Headquarters of suppliers for Enriched 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different			If re-exported outside of the U.S., provide country of final use End-Us Enriched Uranium Oxide (KgU) If re-exported outside of the U.S., provide country of final End-Us	Units	Value (\$USD)	Units 2	Value (\$USD)	Units 20	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$\text{\$\text{\$\text{\$}}}
	Supplier anization's total number Where necessary, input	Supplier Headquarters of suppliers for Enriched 0.	Origin Country of Uranium Ore	from exporting company) Manufacturer/Processor (if different			If re-exported outside of the U.S., provide country of final use End-Us Enriched Uranium Oxide (KgU) If re-exported outside of the U.S., provide country of final End-Us	Units	Value (\$USD)	Units 2	Value (\$USD)	Units 20	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$U

							Enriched Uranium Hexafluoride	(KgU)										
	ganization's total number of luoride. Where necessary, i																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		20)14	2	015	20	016	20)17	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)								
1																		
3																		
A 4																		
5																		
6																		
7																		
8																		
10																		
							Enriched Uranium - Other (K	gU)	•									•
	ganization's total number of																	
ranium - Other.	. Where necessary, input 0.																	
	6	6 . 15 . 14 . 1	Country of Uranium Ore	Manufacturer/Processor (if different	51. 5. 3	0.16.3	If re-exported outside of the U.S., provide country of final	5.111	20	014	2	015	20	016	20	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	use	End-Use	Units	Value (\$USD)								
1							use											
2																		
3																		
N 4																		
6																		
7																		
8																		
9																		
10						Fuel As	semblies (PWR, BWR, or Other) (Finished Units)	1									
lentify your org	ganization's total number of	suppliers for Fuel					, , , , , , , , , , , , , , , , , , , ,											
ssemblies. Whe	ere necessary, input 0.																	
	6	6 1 1 1 1	Country of Uranium Ore	Manufacturer/Processor (if different	51. 5. 3	0.16.3	If re-exported outside of the	5.111	20	014	2	015	20	016	20	017	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)								
1							use											
2																		
3 4																		
5																		
6																		
7											-						-	
8		+							1							1		+
10																		1
			l .	1	1	1	l l		1			1		1		1		1
	Comments:																	

Only complete if your organization provides fuel fabrication services. If your organization receives uranium that was imported into the U.S. for fuel fabrication services which is then re-exported to a foreign country for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If your organization receives uranium that was imported into the U.S. for fuel fabrication services which is then re-exported to a foreign country for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If your organization receives uranium that was imported into the U.S. for fuel fabrication services which is then re-exported to a foreign country for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If your organization receives uranium that was imported into the U.S. for fuel fabrication services which is the product of the unit of the un was imported into the U.S. for fuel fabrication services that stays in the U.S. after fuel fabrication services are complete for final use, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If the material is received by book transfer or flag swap from the same organization, record the information on separate lines. Exporting organizations should include any individual brokers and/or traders that your organization purchases uranium products from. If this category of imports is not relevant to your organization, please select 'Not Applicable' and proceed to Section 8E. PLEASE NOTE THE UNITS OF MEASURE IN THE HEADINGS. E.G. URANIUM ORE SHOULD BE RECORDED IN POUNDS. Uranium Ore (Pounds) Identify your organization's total number of suppliers for Uranium Ore. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use Origin from exporting company) Units Value (\$USD) use Commercial Yes Yes No Research Government (Civilian) Government (Defense) Other Uranium Concentrate (Pounds U3O8) Identify your organization's total number of suppliers for Uranium Concentrate. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use Origin from exporting company) Units Value (\$USD) use Uranium Metal (KgU) dentify your organization's total number of suppliers for Uranium Metal. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use from exporting company) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Origin Units Units Units Units Units Natural Uranium - Not Compounds (KgU) dentify your organization's total number of suppliers for Natural Uranium - Not Compounds. Where necessary, input 0. If re-exported outside of the 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? U.S., provide country of final End-Use from exporting company) Units Value (\$USD) Units Value (\$USD) Units Value (\$USD) Value (\$USD) Value (\$USD) Origin Units Units

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8d: Imports - Fuel Fabrication Services

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							Uranium Compounds - Oxide (Kgl)										
	nization's total number of s																	
ompounds - Oxid	de. Where necessary, input	0.																
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		20	014		2015	2	2016	2	017	20	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USE
1							use							,				
2																		
3																		
4																		
5																		
7																		
/																		
9																		
10																		
						Ur	nium Compounds - Hexafluoride ((gU)										
entify your organ	inization's total number of s	uppliers for Uranium																
	afluoride. Where necessary																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		20	014		2015	2	2016	2	017	20	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USI
			Ong	moni exporting company)			use		Onnes	Talac (\$055)	Onics	value (\$055)	Omics	value (\$055)	Onics	value (\$055)	Oilles	value (505)
2																		
3																		
4																		
5																		
6																		
7																		
8																		
10																		
10							Uranium Compounds - Other (Kgl)		1								
lentify your organ	inization's total number of s	uppliers for Uranium																
	er. Where necessary, input																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		20	014		2015	2	2016	2	017	20	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USE
1			- 0				use			, , ,		,				, , , ,		
2																		
3																		
3 4																		
5																		
6																		
7									1			+ -				1		1
9																		
10			<u> </u>			<u> </u>			<u></u>									
							Depleted Uranium - Oxide (KgU)											
dentify your organ	inization's total number of s	uppliers for Depleted																
	Where necessary, input 0.																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		20	014		2015	2	2016	2	017	20	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USE
1			0.19	Sin exporting company)			use		Onits	value (503D)	Oilita	value (503D)	Offica	·aiue (503D)	Oilles	value (503D)	Units	value (503E
2									1	-				+		-		
3												_						1
4																		
5			1									1		1				
6																		
7																		
			1	· · · · · · · · · · · · · · · · · · ·			1							1				1
8														1				
8 9																		

							Depleted Uranium - Fluorides (Kg	J)										
	ation's total number of s Where necessary, input																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		21	014		2015	2	016	20	017	2	018
S	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1							use											-
2																		
3																		
1 4																		
5																		
6																		
7																		-
8																		+
10																		+
10							Depleted Uranium - Other (KgU)											
Identify your organiza	ation's total number of s	uppliers for Depleted					.,											
	ere necessary, input 0.	appliers for Depicted																
	, , , , , , , , , , , , , , , , , , , ,						If re-exported outside of the		21	014		2015	2	016	20	017	21	018
S	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use										
			Origin	from exporting company)			use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1									1	+				1				+
2																		
3																		
J 4																		
5																		
7																		
8																		+
9																		1
10																		
							Depleted Uranium - Metal (KgU)											
	ation's total number of s	uppliers for Depleted																
Uranium - Metal. Who	ere necessary, input 0.																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		20	014		2015	2	016	20	017	2	018
S	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1							use											
2																		+
3																		
K 4																		1
5																		
6																		
7																		
8										+		+		1				+
10			 				+			+		+ -		1				+
10							Enriched Uranium Oxide (KgU)			1						<u> </u>		
Identify your organiza	ation's total number of s	uppliers for Enriched					zz.ica oraniam oxide (ngo)											
	acion's total number of s iere necessary, input 0.	uppliers for clinicieu																
Oxide: Wile							If re-exported outside of the		21	014		2015	,	016	21	017	2	018
2	Supplier	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use										
		.,	Origin	from exporting company)			use		Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1																		
2					•			-	,									
3																		
L 4									1	1		1		1				4
5										+		+		1				+
6			 				+		1	+				1		1		+
8									1	1		1						+
9										 		1						+
10																		
		T	E.	1		1	1			1								

							Enriched Uranium Hexafluoride	(KgU)										
	organization's total number o exafluoride. Where necessary,																	
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the			2014	2	015	2	016	20)17	2	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)								
1																		
2																		
M 4																		
5																		
6																		
8																		
9																		
10																		
		(Enriched Uranium - Other (Kg	gU)										
	organization's total number o ther. Where necessary, input 0																	
	, , , , , , , , , , , , , , , , , , , ,						If re-exported outside of the			2014		015		016	20	017	2	018
	Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)								
			Ong	morn exporting company)			use		Units	value (\$05D)	Units	value (\$05D)	Units	value (\$05D)	Units	value (\$03D)	Units	value (\$050)
2												+						
3																		
N 4																		
5																		
7																		
8																		
9																		
10						Fuel Asse	emblies (PWR, BWR, or Other) (F	Finished Units)								1		
	organization's total number o Where necessary, input 0.	f suppliers for Fuel					, , , , , , , , , , , , , , , , , , , ,											
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the			2014	2	015	2	016	20	017	2	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)								
2																		
3						+						+ +		+				
0 4																		
5					·	1					·	1	·	1				
6						+						+		+				
8						 						1						
9																		
10						1								1				
	Comments:																	
					E	BUSINESS CONFIDEN	NTIAL - Per Section 705(d) of the	e Defense Production Act										

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vious Pa	age																	Next Page
						8e: Import	s - Commercial Inventory and/o	Market Resale										
				form, for the sole purpose of increasing co dividual brokers and/or traders that your c				d the subsequent country o	origin of the ma	aterial for each of	the below pro	ducts for the 2014	to 2018 perio	od. If the material	s received by b	ook transfer or fl	ag swap from	the same
	gory of imports is not relevant to nization, please select 'Not																	
plicable'	' and proceed to Section 8F.																	
ASE NO	OTE THE UNITS OF MEASURE IN THE	HEADINGS. E.G. URANIUM	ORE SHOULD BE RECORDED	IN POUNDS.														
	our organization's total number of su	uppliers for Uranium Ore.					Uranium Ore (Pounds)											
ere nec	cessary, input 0.	5 15 11 11 1	Country of Uranium Ore	Manufacturer/Processor (if different	EL 5 . 3	2 15 2	If re-exported outside of the	End-Use	2	014	2	015	2	016	20	17	2	2018
1	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap? Yes	Book Swap? Yes	U.S., provide country of final use	Commercial	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
2					No	No		Research										
3								Government (Civilian)										
5								Government (Defense) Other										
6								Guici										
7																		
9																		
10							Uranium Concentrate (Pounds U	308)										
	our organization's total number of su te. Where necessary, input 0.	uppliers for Uranium					oranian concentrate (Founds o	300)										
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		2	014	2	015	2	016	20	17	2	2018
1	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
2																		
3																		
5																		
7																		
8																		
10																		
	our organization's total number of su nere necessary, input 0.	uppliers for Uranium					Uranium Metal (KgU)											
cai. vviii			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		2	014	2	015	2	016	20	17	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
2																		
3																		
5																		
6																		
7																		
9																		
10						N	atural Uranium - Not Compound	s (KgU)										
ntify yo	our organization's total number of su Not Compounds. Where necessary,	uppliers for Natural						- (0-7										
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		2	014	2	015	2	016	20	17	2	2018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
2																		
3			·				<u> </u>					1						
5																		
7																		
8																		
9												1						
10				ı I		1	1 1	.1	1	1		1		1				

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							Uranium Compounds - Oxide ((gU)										
ntify your organization's																		
npounds - Oxide. Where	e necessary, input 0.																	
Supplie	or	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final	End-Use		014		015		016		2017		2018
Зиррпе	ei	Supplier rieauquarters	Origin	from exporting company)	riag swap:	BOOK Swap:	use	Eliu-Ose	Units	Value (\$USD)	Units	Value (\$USE						
1																		
2																		
1																		
5																		
6																		
7																		
8																		
9																		
10						- 11	ranium Compounds - Hexafluorio	le (KgII)										
ntify your organization's	total number of su	onliers for Uranium					amam compounds mexandone	ic (v8o)										
pounds - Hexafluoride.																		
<u>'</u>		<u> </u>					If re-exported outside of the		21	014	20	015	20	016		2017		2018
Supplie	er	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$US						
			Origin	from exporting company)			use		Ullits	value (303D)	Ullits	value (303D)	Ullits	value (303D)	Offics	Value (303D)	Ullits	value (303
1 2																		
3																		
4																		
5																		
6																		
7 8																		
9																		
10																		
							Uranium Compounds - Other ((gU)										
ntify your organization's																		
pounds - Other. Where	e necessary, input 0.						If re-exported outside of the		-	04.4	2/		2	4.5		2047		2040
Supplie	er	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use		014		015		016		2017		2018
			Origin	from exporting company)			use		Units	Value (\$USD)	Units	Value (\$USI						
1																		
2																		
4																		
5																		
6																		
7										1								
9																		
10																		
							Depleted Uranium - Oxide (Ka	gU)										
ntify your organization's	total number of su	ppliers for Depleted																
nium - Oxide. Where ne																		
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		2	014	20	015	20	016		2017		2018
Supplie	er	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)	Units	Value (\$USI						
1							use									,		
2																		
3																		
4																		
5												1						
7										1		-						1
•																		
8																		
9		_																

						Depleted Uranium - Fluorides (KgU)										
Identify your organization's total r Uranium - Fluorides. Where neces						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
		Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the			2014		2015	20	016		2017		2018
Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use	Units	Value (\$USD)								
1						use			(, ,		,		,				
2																	
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1 4																	
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10																	
		1				Depleted Uranium - Other (Kg	gU)										
Identify your organization's total r																	
Uranium - Other. Where necessar	,, input 0.																
Supplier	C	Country of Uranium Ore	Manufacturer/Processor (if different	Fl== 5=2	Dardy Course	If re-exported outside of the	F-4 11		2014		2015	20	016		2017		2018
Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)								
1						usc											
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						Depleted Uranium - Metal (Kg	gU)										
Identify your organization's total r																	
Uranium - Metal. Where necessar	y, input u.								2044		2045	2.			2047		2040
Supplier	Supplier Headquarters	Country of Uranium Ore		Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final	End-Use		2014		2015		016		2017		2018
Заррнеі	Supplier Headquarters	Origin	from exporting company)	riag Swap:	BOOK SWap:	use	Liid-O3c	Units	Value (\$USD)								
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9								-	+		1				+		1
10																	
120					1	Enriched Uranium Oxide (Kg	U)										
Identify your organization's total r	umber of suppliers for Enriched																
Uranium - Oxide. Where necessar																	
Oxide: Tritere necessar	,p					If re-exported outside of the			2014		2015	2/	016		2017		2018
Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use										
22,51101		Origin	from exporting company)			use		Units	Value (\$USD)								
1																	
2																	
3																	,
L 4																	
5									1								
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7					1			1	1						+		1
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10	+		1		1			1	1		1				+	1	1
10		1]		1	1 1			1		1		1			1	1

							Enriched Uranium Hexafluoride (K	gU)										
Identify you Uranium - H	r organization's total number of lexafluoride. Where necessary,	of suppliers for Enriched , input 0.																
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of the		2	2014	2	015		2016	21	017	2	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)								
1																		
2																		
M 4																		
5																		
6																		
7 8																		
9																		
10																		
				1			Enriched Uranium - Other (KgU)										
	r organization's total number of Other. Where necessary, input (
	, , , , , , , , , , , , , , , , , , , ,	<u></u>					If re-exported outside of the		2	2014		015		2016	21	017	2	018
	Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final	End-Use								Value (\$USD)		
			Oligili	non exporting company)			use		Units	Value (\$USD)								
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N 4																		
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9																		
10				I I		Fuel Asse	emblies (PWR, BWR, or Other) (Fin	ished Units)										
	r organization's total number of Where necessary, input 0.	of suppliers for Fuel						·										
	6 - 15 -	6 15 11 1	Country of Uranium Ore	Manufacturer/Processor (if different	El . C	0.16.3	If re-exported outside of the	5.111	2	2014	2	015		2016	21	017	2	018
	Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	U.S., provide country of final use	End-Use	Units	Value (\$USD)								
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	Comments:																	
						BUSINESS CONFIDER	NTIAL - Per Section 705(d) of the I	Defense Production Act										

8f: Imports - Other If your organization imports uranium into the U.S. in any form for any other reason not specifically covered in the preceding sections, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. If the material is received by book transfer or flag swap from the same organization, record the information on separate lines. Exporting organizations should include any individual brokers and/or traders that your organization purchases uranium products from. If this category of imports is not relevant to your organization, please select 'Not Applicable' and proceed to Section 8G. PLEASE NOTE THE UNITS OF MEASURE IN THE HEADINGS. E.G. URANIUM ORE SHOULD BE RECORDED IN POUNDS. Uranium Ore (Pounds) Identify your organization's total number of suppliers for Uranium Ore. Where necessary, input 0. If re-exported outside of 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? the U.S., provide country of End-Use Explanation for Import from exporting company) Value (\$USD) Value (\$USD) Origin Units Units Value (\$USD) Units Value (\$USD) Units Value (\$USD) final use Commercial Yes Yes No Research Government (Civilian) Government (Defense) Other Uranium Concentrate (Pounds U3O8) Identify your organization's total number of suppliers for Uranium Concentrate. Where necessary, input 0. If re-exported outside of 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? the U.S., provide country of Explanation for Import Value (SUSD) Value (SUSD) Value (\$USD) Units Value (SUSD) Value (SUSD) Origin from exporting company) Units Units Units Units final use Uranium Metal (KgU) Identify your organization's total number of suppliers for Uranium Metal. Where necessary, input 0. If re-exported outside of 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? the U.S., provide country of End-Use Explanation for Import Origin from exporting company) Units Value (\$USD) final use Natural Uranium - Not Compounds (KgU) Identify your organization's total number of suppliers for Natural Uranium - Not Compounds. Where necessary, input 0. If re-exported outside of 2014 2015 2016 2017 2018 Country of Uranium Ore Manufacturer/Processor (if different Supplier Supplier Headquarters Flag Swap? Book Swap? the U.S., provide country of Explanation for Import Origin from exporting company) Units Value (SUSD) Units Value (SUSD) Units Value (\$USD) Units Value (SUSD) Units Value (SUSD) final use

43

							Uranium Compo	ınds - Oxide (KgU)											
Identify your organization! Compounds - Oxide. Where																			
Supplie	er !	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of	End-Use	Explanation for Import	20 Units	Value (\$USD)	Units 2	015 Value (\$USD)	Units	Value (\$USD)	Units 2	Value (\$USD)	Units 2	018 Value (\$USD)
1			011611	Trom exporting company)			final use			Oillio	value (3035)	0.11.0	value (\$055)	Onics	value (\$055)	Omis	value (5035)	Oilles	Tuide (\$050)
2																			
E 4																			
5																			
7																			
8																			
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	l- 4-4-1						Uranium Compound	s - Hexafluoride (KgU)											
Identify your organization! Compounds - Hexafluoride																			
			Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of			20	014	2	015		2016	2	017	2	018
Supplie	er :	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	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 (\$USD)
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3																			
F 4																			
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7																			
9																			
10							Uranium Compo	unds - Other (KgU)											
Identify your organization! Compounds - Other. When								, ,											
Supplie	er s	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final use	End-Use	Explanation for Import	20 Units	Value (\$USD)	Units 2	Value (\$USD)	Units	Value (\$USD)	Units 2	Value (\$USD)	Units 2	018 Value (\$USD)
2																			-
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Identify your organization! Uranium - Oxide. Where no		ppliers for Depleted																	
Supplie	er !	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of	End-Use	Explanation for Import	Units 20	Value (\$USD)	Units 2	Value (\$USD)		Value (\$USD)	Units 2	Value (\$USD)	Units 2	018 Value (\$USD)
1							final use												
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H 4																			
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8							<u> </u>						 				+ - 1		1
10																			
			·	·					•										

							Depleted Uraniu	m - Fluorides (KgU)											
	ur organization's total number of Fluorides. Where necessary, inpu																		
	Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of final use	End-Use	Explanation for Import	Units 20	Value (\$USD)	Units 2	Value (\$USD)		Value (\$USD)	2 Units	017 Value (\$USD)	Units 2	Value (\$USD)
1							linai use												
3																			
1 4																			
6																			
7																			
9																			
10							Depleted Urani	ium - Other (KgU)											
	ur organization's total number of	suppliers for Depleted																	
Uranium - 0	Other. Where necessary, input 0.						If re-exported outside of			20	014	2	015	1	2016	2	017	2	018
	Supplier	Supplier Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	the U.S., provide country of	End-Use	Explanation for Import	Units	Value (\$USD)	Units	Value (\$USD)		Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
1							final use												
2																			
J 4																			
5																			
7																			
9																			
10							Depleted Urani	ium - Metal (KgU)											
	ur organization's total number of Metal. Where necessary, input 0.	suppliers for Depleted					Depleted Orall	um - Metal (kgo)											
	Supplier	Supplier Headquarters	Country of Uranium Ore	Manufacturer/Processor (if different	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of	End-Use	Explanation for Import	20	014	2	015	2	2016	2	017	2	018
	зирршег	Supplier reauquarters	Origin	from exporting company)	riag swap:	воок змар:	final use	Eliu-Ose	Explanation for import	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)
2																			_
х 4																			
K 4																			
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1-1							Enriched Uran	ium Oxide (KgU)											
	ur organization's total number of Oxide. Where necessary, input 0.	suppliers for Enriched																	
	Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of	End-Use	Explanation for Import	Units 20	Value (\$USD)	Units 2	015		Value (\$USD)	2 Units	017 Value (\$USD)	Units 2	018
1			Origin	from exporting company)			final use			Units	value (\$USD)	Units	Value (\$USD)	Units	Value (\$05D)	Units	value (\$USD)	Units	Value (\$USD)
2																			
L 4																			+
5																			
7																			
8																			
10																			

						Enriched Uranium	Hexafluoride (KgU)											
Identify your organization's total num Uranium - Hexafluoride. Where neces																		
		Country of Uranium Ore	Manufacturer/Processor (if different			If re-exported outside of			20	014	2	015		2016	2	2017	2	018
Supplier	Supplier Headquarters	Origin	from exporting company)	Flag Swap?	Book Swap?	the U.S., provide country of final use	End-Use	Explanation for Import	Units	Value (\$USD)								
2																		
3																_		
M 4																		
5																		
6																		
8																_		
9																		
10						5 11 111	01 11 11											
dentify your organization's total num						Enriched Urani	um - Other (KgU)											
Jranium - Other. Where necessary, ir																		
,						If re-exported outside of			21	014	2	015		2016		2017	2	018
Supplier	Supplier Headquarters	Origin Oranium Ore	Manufacturer/Processor (if different from exporting company)	Flag Swap?	Book Swap?	the U.S., provide country of final use	End-Use	Explanation for Import	Units	Value (\$USD)								
1																		
2																		
N 4																		
5																		
6																		
7												-						
9																_		
10																		
						Fuel Assemblies (PWR, BW	/R, or Other) (Finished Uni	ts)										
dentify your organization's total num Assemblies. Where necessary, input (
Supplier	Supplier Headquarters		Manufacturer/Processor (if different	Flag Swap?	Book Swap?	If re-exported outside of the U.S., provide country of	End-Use	Explanation for Import	20	014	2	015		2016	2	2017	20	018
Заррнеі	Supplier Headquarters	Origin	from exporting company)	i iag swap:	book swap:	final use	Liid-O3e	Explanation for import	Units	Value (\$USD)								
1																		
2												-						
0 4																		
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6																		
7												-						
9					1											1 1		
10																		
Comments:																		
					RUSIN	ESS CONFIDENTIAL - Per Section	n 705/d) of the Defence F	troduction Act										
					DUSIN	LOG CONFIDENTIAL - PER SECTIO	m rostal or the perense i	TOUGCHOIT ACL										

Previous I	Page									9a: Curto	ners and Contracts							Next Page
										3a. Custo	ners and contracts		2009-2013		2014-	2018		
A For	2009-2013 and 2014-2018, reco	rd the number of dire	ct U.Shased and non-U.S.	-hased customers for i	ranium or fuel	I products						U.S.	Non-U	I.S.	U.S.	Non-U.S.		
Iden	ntify your organization's top 15	current customers (by	sales volume). For each co	urrent/active customer	enter type of	customer, type	of contract, cont	ract dates, expecte	d renewal, type and supply o	f uranium. For country of o	igin, please indicate the country fro	om which the majority, by volume	of the uranium your or	ganization supplies was	originally mined.			
		Customer's HQ				Contra	ct Dates		End-Use			Type and S	ipply of Uranium				Estimated Percent of Total	
	Customer Name	(Country)	Type of Customer	Type of Cor	tract	Start Date	End Date	End-user HQ (country)	End-use (if known)	Renewal Expected?	Туре	Country of Uranium Origin	Ore Minimum Price	for Contract Maximur	m Price for Contract	Amount Supplied to Date	2018 Sales Attributable to the Active Contract	Explain
1								(222.27)	Commercial			9.18.11						
2									Research									
3 4									Government (Civilian) Government (Defense)									
5									Other									
6																		
B 7																		
9																		
10																		
11																		
12																		
14									-									
15																		
	ou indicated that some of your outracts were not expected to be																	
Cont	tracts were not expected to be	enewed, explain.																
		l l																
For	your organization's inactive or	ormer customers from	2009 to 2018, identify the	type of customer, typ	e of contract, o	contract dates,	whether the cont	ract was canceled,	not renewed, or other, and the	ne reason why. Also identify	the type and supply of uranium, as	s well as the average price per unit	For country of origin,	olease indicate the count	try from which the m	najority, by volume, of the ur	anium your organization supplied	was originally mined.
	Customer Nam	,	Type of Customer	Type of Cor	tract			Contract Dates		Reason for Contract E	id Explain Reasoning			Type and Supply of Urani	um		Amount Supplied Over Duration	Explain
	Customer Hum		Type of customer	1,400 01 001	ill det	Start	: Date		End Date	neadon for contract E	Explain (Casoling	Type	Country of Urania	um Ore Origin Minimun	n Price for Contract	Maximum Price for	of Contract	Explain
1												,,,		-		Contract		
2																		
3																		
C 5																		
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8																		
9																		
11																		
12																		
13			<u> </u>															
14										 						 	 	
																	1	
Fron	m 2009-2013, 2014-2018, and 2	019-2023, record the r	number and dollar value of	your organization's co	ntracts (spot, s	short-term, mic	d-term, long-term) for uranium or fue	l products.									
				2009-20	13						2014-2018					2019-	2023	
	Contract Type	Spot		nort-term	Mid-te			g-term	Spot		Short-term	Mid-term	Long-te		Spot	Short-term	Mid-term	Long-term
		Number	Value Number	- Value	Number	Value	Number	Value	Number	Value Numb	r Value Nu	mber Value	Number	Value Numbe	er Value	Number Value	Number Value	Number Value
2					-													
D 2									Spot	Short-term	Mid-term	Long	-term					
3	Do you have contracts beyond	2023?	Y/N	If yes, complete t	ne matrix to th	e right		Number	Value	Number Value	Number Va	alue Number	Value					
	, a mana a mana a cyoni		.,	, jus, 22prete t		8												
l —																		
	Has your organization experie		ting,	If yes, explain any	difficulties.													
4	renegotiating, or extending lo	ig-term contracts?																
	Comme	nts:																
									BUSIN	ESS CONFIDENTIAL - Per Se	ction 705(d) of the Defense Produ	ction Act						

Prev	ious I	<u>Page</u>				Next Page
		4 to 2018, did your organization operate U.S. milling facilities?	9b: Customers ar	nd Contracts (Continued)		
	If no	, proceed to Part B. If yes, complete Part A.				
	1	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	using product (U3O8) purchased (on the spot market for the 2014	to 2018 period.
	2	2014	2015	2016	2017	2018
A.		Indicate the total amount of uranium purcha	ses, in pounds of U3O8, that your	organization purchased on the sp	ot market for the 2014 to 2018	period.
	3	2014	2015	2016	2017	2018
	4	What average price per pound of uranium concentrate does your organization need in order to cover fully loaded costs, such as overhead, marketing, depreciation, depletion, amortization, and operating costs? Explain your reasoning.				
	Fron	n 2014 to 2018, did your organization provide	U.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	ue that came from sales of re-enric	ched tailings for the 2014 to 2018	period.	
	2	2014	2015	2016	2017	2018
		Provide the annual quantity, in KgU, of re-en				
В	3	2014	2015	2016	2017	2018
	4	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:				
		В	SUSINESS CONFIDENTIAL - Per Sec	tion 705(d) of the Defense Produ	iction Act	

9c. Third Party Storage If your organization provides storage of uranium in any form for other parties, identify the suppliers and the subsequent country origin of the material for each of the below products for the 2014 to 2018 period. This is material for which your organization does not have title. Include material stored for brokers and/or traders, and record if the material stored by your organization has been involved in a book swap. If your organization does not provide storage of uranium in any form, please select 'Not Applicable.' Uranium Ore (Pounds) Identify the total number of consigners of Uranium Ore to your organization. Where necessary, input 0. 2014 2015 2016 2017 2018 Consigning Organization Country of Uranium Ore Manufacturer/Processor (if different Consigning Organization Book Swap? End-Use (If Known) Origin from consigning organization) Headquarters Units Value (\$USD) Yes Commercial No Research Government (Civilian) Government (Defense) Other Uranium Concentrate (Pounds U308) Identify the total number of consigners of Uranium Concentrate to your organization. Where necessary, input 0. 2014 2015 2016 2017 2018 Consigning Organization Country of Uranium Ore Manufacturer/Processor (if different Consigning Organization Book Swap? End-Use Value (\$USD) Headquarters Origin from consigning organization) Units Value (\$USD) Units Value (\$USD) Units Value (\$USD) Units Units Value (\$USD) 10 Uranium Metal (KgU) Identify the total number of consigners of Uranium Metal to your organization. Where necessary, input 0. 2014 2015 2016 2017 2018 Consigning Organization Country of Uranium Ore Manufacturer/Processor (if different Consigning Organization Book Swap? End-Use Headquarters Origin from consigning organization) Units Value (\$USD) Natural Uranium - Not Compounds (KgU) Identify the total number of consigners of Natural Uranium - Not Compounds to your organization. Where necessary, input 0. 2014 2015 2016 2017 2018 Consigning Organization Country of Uranium Ore Manufacturer/Processor (if different Consigning Organization Book Swap? Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Value (\$USD) Headquarters Origin from consigning organization) Units Units Units Units Units 10 49

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				Uran	ium Compounds - Oxide (K	gU)									
the total number of consigners of U															
rganization. Where necessary, inpu	it 0.														
	I					2	014	2	015	2	2016	2	2017	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 (
						+							+		
	1					1			1		1		+		
						1			1		1		1		
				Uranium	Compounds - Hexafluorid	(Vall)			<u> </u>						
your organization's total number of	consignors of Uranium			Oraman	recompounds riexandona	- (NSO)									
your organization's total number of Inds - Hexafluoride. Where necessar															
	//					21	014	2	015		2016		1017	-	2018
Consigning Organization	Consigning Organization	Country of Uranium Ore	Manufacturer/Processor (if different	Book Swap?	End-Use						Ī	· ·			
Consigning Organization	Headquarters	Origin	from consigning organization)	Book Swap!	Liid-Ose	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
						1									-
						1									-
															-
				Uran	ium Compounds - Other (K	gU)									
your organization's total number of															
unds - Other. Where necessary, input	t 0.			I	I	2	014	1	015		2016		.017		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
	·	-													
									-						
															_
	+					1					+		+		+
									1		1		1		+
				Dep	oleted Uranium - Oxide (Kg	U)									
your organization's total number of															
n - Oxide. Where necessary, input 0.						2	014	2	015	2	2016	2	.017	2	2018
- Oxide. Where necessary, input 0.	Consigning Organization	Country of Heaving Co-			End-Use	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value (\$USD)	Units	Value
	Consigning Organization Headquarters	Country of Uranium Ore Origin	Manufacturer/Processor (if different from consigning organization)	Book Swap?					(7000)			2		21110	
- Oxide. Where necessary, input 0.	Consigning Organization Headquarters	Country of Uranium Ore Origin	from consigning organization)	Book Swap?			, ,				,		10.00 (4.00=)		
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your organization's total number o				Dep	oleted Uranium - Metal (Kgt		114	7)	115	2	016		2017	5	018
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				Enrich	ed Uranium Hexafluoride ((gU)										
dentify your organization's total r Jranium - Hexafluoride. Where no																
						2	014	2	015	2	016	2	017	2018		
Consigning Organizati	on 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 3							1									
M 4							+									
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6																
7 8							 								1	
9	<u> </u>						1									
10																
				Enri	iched Uranium - Other (Kgl	J)										
dentify your organization's total r Jranium - Other. Where necessar																
	Consigning Organization	Country of Uranium Ore	Manufacturer/Processor (if different			2	014	2	015	2	016	2	017	2	018	
Consigning Organizati	on 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							 									
3							+		+						1	
N 4																
5							1									
6 7							 									
8																
9																
10				Fuel Assemblie	s (PWR, BWR, or Other) (Fi	nished (Inits)							1			
dentify your organization's total r				r de l'assemble	s (i viii, biiii, oi Galei) (i i	manea omea,										
						2	014	2	015	2	016	2	017	2	018	
Consigning Organizati	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 3							1								<u> </u>	
0 4							 									
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6 7		<u> </u>	ļ				1									
8							+ +								 	
9																
											1					
10															J	
													1			

100	1043 T 0gC					10: Employment						Hextro
eci	ord the total number of full time equivalent (FTE)	employees and contractors	for the 2014 to 2018 period			· ·						
		2010	2014	2015	2016	2017	2018	2010 (Drainstad)	1			
Α	FTE Employees	2010	2014	2015	2016	2017	2018	2019 (Projected)				
A	FTE Contractors		 									
20.		unation tuna heleve for 2010	and 2014 to 2010 to short	antad data for 2010	ostimotos osso-t	1						
Rec	ord the total number of employees for each occu	pation type below for 2010 a	and 2014 to 2018. Include proj	ected data for 2019 numbers (estimates accepted).				1			
	Occupation	2010	2014	2015	2016	2017	2018	2019 (Projected)				
	Administrative, Management, Legal Staff, IT											
	Staff Analysts, Evironmental Compliance, Tailings		+									
	Management Operators, Radiation Safety											
	Technicians											
	Engineers, Scientists, Geologists, Geochemists,											
В	Geophysicists, Chemical Metallurgists											
	Electricians, Welders, Technicians, Operating											
	Staff, Driller, Logger											
	Millwrights, Miners, Mill Operator, Mill											
	Maintenance, Wellfield Operator, Wellfield											
	Maintenance Marketing and Sales											
	Other											
		I	l.	I								
ans	ver the following questions about employment o	airriculties, workforce age, ec	aucational requirements, vacar	icies, and changes in employm								
					FTEs Impact	ed (2014 - 2018)				Current		
	Occupation		Difficulty	Explanation for Difficulty, if		If FTEs were impacted due to	Current Average Age	Formal Education	On the Job Training	Number of	Average Weeks	Funlanation
	Occupation		Difficulty	Applicable	Type of Impact	changes in facility operations, indicate the number of	of Worker (2018)	Requirements	Requirements (OTJ)	Vacancies	Vacant	Explanation
						employees impacted				(2018)		
	Administrative, Management, Legal Staff, IT Sta	·ff	Ujelan			, , ,		No Formal Educational	No OTI Paguirad			
			Hiring					Credential	No OTJ Required			
	Analysts, Evironmental Compliance, Tailings Ma	anagement Operators,	1					High School Diploma or	Less Than A Month of OTJ			
_	Radiation Safety Technicians Engineers, Scientists, Geologists, Geochemists,	Geonbysicists Chamical				-		Equivalent	Required Between 1 Month and 6			
C	Metallurgists	deophysicists, Chemical	Retaining					Associate's Degree	Months of OTJ Required			
		off Dellos Locari						Dealester's D	Between 6 Months to 1 Year			
	Electricians, Welders, Technicians, Operating St	an, ornier, Logger	Both					Bachelor's Degree	of OTJ Required			
	Millwrights, Miners, Mill Operator, Mill Mainter	nance, Wellfield Operator,	None		<u> </u>			Master's Degree	Between 1 and 2 Years of OTJ			-
	Wellfield Maintenance								Required			
	Marketing and Sales		1					Doctoral or Professional Degree	Over 2 Years of OTJ Required			
	Other	(specify here)	1			1		Segree				
	Does the industry experience any amount of											
	workforce cross-over between commercial		If yes, explain below.									
D	and U.S. government uranium activities?											
υ												
	Are the skills associated with the workforce in		If you amplain balance									
	your organization transferable to other non- uranium industries?		If yes, explain below.									
Е	araman muusu ies:											
	If you resumed operations at an idled facility, do	o you reasonably anticipate l	heing able to hire or rehire wo	rkers? If so, in what in timefran	ne?"							
	you resumed operations at an inicu idellity, the	o you reasonably anticipate i	oc 6 abic to fine of refine Wol	ii 30, iii wilat iii tiiileifal								
F												
	Dogs the geographic location of the con-		If you amplain belowers									
	Does the geographic location of your organization's facilities play any role in the		If yes, explain below and specify the categories of									
	challenges in hiring, retaining, and rehiring		employees that this									
G	employees?		challenge pertains to.									
			·	·	· · · · · · · · · · · · · · · · · · ·			·				
	Does your organization utilize or provide		If yes, describe the types of fi substance of the consulting w									
	consulting services that assist in optimizing core business processes relating to your		degree of integration of the u									
	organization's role in the nuclear fuel cycle?		industries in your answer.									
	Comments:											
					DISCHIFCE CONTROL	L Des Continue 707/10 (1)	Bardond - :					
					BUSINESS CONFIDENTIAL	L - Per Section305(d) of the Defen	se Production Act					12/21

Pre	vious	Page Page				Next Pa	age
					11a: Competition	and Demand Trends	
	nucl	-				United States and outside of the United States for uranium products and ends and describe the principal factors that have affected these changes in	
		Market	:		Overall Change	Explanation and Factors	
Α		Within the Unit	ed States				
		Outside the Unit	ed States				
						your U.S. manufacturing operations, sales, employment, planned expansions nuclear fuel assemblies. Expain your answer below.	,
		Item	Yes/No			Explain	
В.		Manufacturing					
	1	Operations					
	2	Sales					
	3	Employment					
	4	Planned Expansions					
	5	Other (specify)					_
	capi		t and prod	uction effor	ts, or the scale of capi	ects on its return on investment or its growth, investment, ability to raise bital investments as a result of imports of any type of uranium products or ight and explain below.	
		Item	Yes/No			Explain	
	1	Return on Investment					
C.	2	Investments					
	3	Ability to Raise Capital					
	4	Existing Development/ Production Efforts					
	5	Scale of Capital					
	6	Other (specify)					_
						in the U.S. market for uranium products or nuclear fuel assemblies originatir n, Uzbekistan, and China?	ng
D.							
		Describe the top five mo	st significa	ant challeng	es to the competitive	position of your organization in the U.S. uranium market.	
		1					
	1	2					
		3					
		4					
E.		Describe the ton five mo	st significa	nt challeng	es to the competitive	position of your organization in the non-U.S. uranium market.	
		1	or algititica	and chancing	es to the competitive	position of your organization in the non-old diametri market.	
		2					_
	2	3					_
		4					
		5					
		Comments					
			RHS	INESS CONE	IDENTIAL - Per Section	on 705(d) of the Defense Production Act	

rev	ous F	<u>rage</u>					<u>Ne</u>	ext Page
		each of the following ntage, and explain yo		ether uranium producers or	nuclear fuel fabricators lo	11b: Competitors cated inside the U.S. or outside the U.S.	5. possess the competitive advantage, specify the country with the perceived	
		Facto	r	U.S. or Non-U.S. Location with Advantage	Country with Perceived Advantage		Explain	
	Labo	r Costs						
		ronmental Complianc	ce Costs					
		erial Costs						
		pment Costs						
		ity Costs						
		ly of Skilled Workers						
A.	Over	all Finished Product F	Price					
	Qual							
		Time						
		iced Process Variabili	ity					
		iced Cost						
		ty Requirements Cost						
		ernment Support/Sub	osidies					
		ency Valuation Ilatory Costs (Non-En	· · · · · · · · · · · · · · · · · · ·					
	Othe		specify here)					
	Othe		specify here)					
	Ident	tify your organization	i's leading U.S. com	petitor in the manufacture o	f any type of uranium, and	d identify their primary competitive attr	ribute.	
						Top U.S. Competitors		
		Competi	tor Name	State	Global Headquarters Country	Primary Competitive Attribute	Explain	
	1							
	2							
	3							
	4							
В.	5							
	Ident	tify your organization	's leading non-U.S.	competitor in the manufacto		n, and identify their primary competitive	e attribute.	
						Top Non-U.S. Competitors		
		Competi	tor Name	Country	Global Headquarters Country	Primary Competitive Attribute	Explain	
	1							
	2							
	3							
	4			_				
	5							
	C	omments:						
				BU	ISINESS CONFIDENTIAL - P	er Section=705(d) of the Defense Produ	uction Act	

		us Page	11c: Competitiv	ve Challenges
P	lease	answer the following questions, and explain your answer.		
F		Russian/China Presence on the Global Uranium Market	-Yes/No-	Explain
	1	Have restrictions on imports of Russian uranium affected your organization?		
A	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 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?		
Е	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?		
	3	Do you consider all international suppliers of uranium products to your organization reliable?		
C	4	Do other countries' environmental standards give your international competitors an advantage? Describe.		
	5	Does the nuclear industry face challenges in complying with the Foreign Corrupt Practices Act (FCPA) when purchasing imported uranium products from foreign countries? Identify any specific countries where these practices, as defined in the FCPA, are prevalent.		
	6	Does your organization know of any direct subsidies or other state support received by your international competitors?		
	7	Has the 2011 Fukushima disaster impacted your organization's operations? Explain.		
	8	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?		
	9	Do regulatory or legislative frameworks give operators in foreign market economies (e.g. Canada, Australia) advantages over U.S. producers?		
		Domestic Operations and Factors	-Yes/No-	Explain
	1	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.		
	2	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?	56	

D 3	Have any U.S. regulatory regime changes in the last ten years impacted your organization's current competitiveness? Please list specific changes.		
4	Have uranium market conditions affected your organization's ability to obtain financing for operations to remain solvent?		
5	Has the U.S. Department of Energy's program of selling off natural uranium and low enriched uranium (LEU) stocks affected your organization?		
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12: Certification									
The undersigned certifies that the information he	erein supplied in response to this questionnaire is complete and correct to the best of his/her								
knowledge. It is a criminal offense to willfully ma	knowledge. 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 edits	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 comme	nts 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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