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41.	Section B. 2 (c)	CLIN 0003 - Cylinder Management - Firm Fixed Price The table specifies that a "Unit Price per Month" be provided for 60 months. Since the fixed price for each FY will be different, should the table be modified to reflect?	The unit price per month is the total firm fixed price divided by the number of months in the performance period (60).
42.	Section B.2 (d)	CLIN 0004 - Defined Pension Benefit Costs CLIN 0004 does not show up on any of the schedules (L-8 or L-9). How does it roll up into the total cost?	The L-8 Total Cost work sheet will be replaced to include CLIN 0004.
43.	Section B.2 /Attachments L-8 through L-10	There are discrepancies between the WBS dictionary (attachment L-10) and the B.2 tables and L-9 attachment • The Summary of Proposed By CLIN form (attachment L-8) does not include CLIN 4, but it is included in the B.2 tables. • The Waste Management WBS for both Paducah and Portsmouth appear to have an incorrect WBS numbers (PA2000 vs PA2200 and PO2000 vs. PO2200). • All the Attachment L-9 forms show the different WBS numbers versus the WBS Dictionary (e.g., LX.1.02 vs LX; LX 1.02.01 vs. LX1000; and LX 1.02.02 vs. LX1300). Will DOE correct these forms or should offerors make corrections on the forms?	Discrepancies between the WBS dictionary and other RFP sections will be corrected; the affected cost worksheets will be replaced.
44.	Section B.3 (d)	Paragraph (d) provides that Award Fee will be determined annually. Paragraph (e) provides for payment of fee once determination is complete. Payment of fee once per year affects cash flow requirements and return on investment analyses that are a critical part of our internal go/no process. We request that provisional payments of Award Fee be made on a monthly basis, with the customary protection of the	Provisional fee payment schedules shall be determined with the Contracting Officer following award.

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		DOE's interests.	
45.	Section B.3 (e)	Section B.3 (e) states: "Any unearned award fee from each annual Award Fee evaluation period will not be eligible to be earned in any future annual Award Fee period(s)." Factors beyond the contractor's control, such as force majeure, insufficient funding due to budget cuts or government sequestration, or other situations, could result in a lower than expected PEMP score/evaluation or missed performance items or milestones. In such cases, the contractor should be eligible to earn unearned fee in subsequent ratings periods if issues beyond the control of the contractor led to missed milestones or performance items agreed upon in the PEMP.	No change will be made to the referenced Section.
46.	Section B.9/ J.35/ J-9	Section B.9 states, in part, "the percentage goals established in Section J Attachment entitled, Small Business Subcontracting Plan, will remain in effect for the duration of the Contract." Section H.35 requests a Master Subcontracting Plan with Individual Subcontracting Plans to be submitted annually prior to the beginning of the government's fiscal year. Because the goals are to remain fixed for the duration of the subcontract, would it be appropriate to provide one Individual Subcontracting Plan instead of a Master Subcontracting Plan with an Individual Subcontracting Plan annually?	Section B.9 will be amended to be consistent with Section H.35.
47.	Section B.10	The fee reductions included in this section do not include the fee reductions due to cost overruns included on page 3 of the J-13 PEMP. Please clarify if the Award fee is subject to reduction based upon cost overruns. Also please clarify what is the cost baseline used to determine cost overruns, our proposed baseline or the incumbent's baseline.	Award fee for the Production Incentive is subject to reduction based on cost overruns relative to the agreed upon Contract Performance Baseline.

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48.	Section C	Are there any in-process throughput design changes installed (and untested) or in the process of being installed? What are these changes and their expected throughput improvements?	Various design documents have been provided to bidders upon request on the website. Budgeted costs for plant modifications have been posted on the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
49.	Section C	Are all seven process lines considered to be fully operational? Do any lines have experimental or temporary modifications made on a trial or temporary basis, and if so, what?	All lines are operational, but have not achieved sustained design flow rates. There are no experimental modifications. Temporary modifications are used occasionally until the permanent modification is installed.
50.	Section C	Please identify what changes to the Balance of Plant systems (H2, N2, chill water, UF6, steam, etc.) have been made and for what purpose. What is being planned?	The major change to Balance of Plant Systems is the effort to replace the hydrogen generation equipment. Equipment is expected to arrive in summer of 2016.
51.	Section C	What are the reasons and percentages for valid AqHf monitor trips?	There has been one HF recirculation line leak and one flow totalizer leak since operations began in 2010. Both occurred at Portsmouth.
52.	Section C	What are the maintenance histories for the electrical steam boilers? What are the results of each State (Ohio or Kentucky) periodic boiler inspection?	All inspection attributes were satisfactory and no comments were provided. Budgeted system maintenance costs, which subsume the boiler maintenance costs, are posted on the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
53.	Section C.3	Please provide the existing service agreements and subcontractors, as well as the durations.	Subcontracts contain options that may be exercised by the successor operations contractor. Subcontracts, including service agreements, are expected to be extended by the current operations contractor if their contract is extended to complete the contract award process.
54.	Section C.3	Please provide the latest approved version of the Three Phase Throughput Improvement Plan and the results of each phase.	The Throughout Improvement Plan is not available for distribution.

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55.	Section C.3.4.6	The contractor is to implement existing or proposed management and operating systems (e.g., project management, Integrated Safety Management, operating procedures, electronic data processing, budget and planning, accounting, purchasing, compensation, labor/payroll, indirect and direct costs, property management, billing and estimating). Are there any systems that are proprietary to the incumbent contractor that will need to be replaced with the Contactor's systems? If so, what are they?	There are no proprietary systems.
56.	Section C.3.4.6	Regarding the implementation of existing or proposed management and operating systems, are all software licenses for the existing systems held by DOE? Are any licenses held by the incumbent contractor? If so, which software licenses are held by the incumbent?	In general, licenses are held by the incumbent contractor.
57.	Section C.3.4.6	Please provide a list of the management and operating systems currently in place, and please identify whether each system is DOE-owned or proprietary to the incumbent.	Please see the list of software posted on the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
58.	Section C.4	The CON SDDs states that lessons learned where incorporated into the design. Can a listing of Lessons Learned factored into the facility/equipment configuration be provided?	A separate listing of lessons learned cannot be provided.
59.	Section C.4	Has buildup of material also been occurring on the conversion reactor sidewalls? If yes, how often does this require cleaning and how long does it typically take.	There has been a buildup of material predominantly at the Paducah facilities. A standard cleaning period has not been adopted yet. Cleaning takes about three days.
60.	Section C.4	How many days is a conversion reactor typically down for cleaning of the distributor plate?	About three days.

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61.	Section C.4	Are the conversion reactor filters starting to show signs of irreversible blinding (e.g., upward trend of initial pressure drop post cleaning and shortening of run time between cleanings)? If so, what is the expected remaining service life before replacement is required?	Filter performance is being monitored; no remaining service life has been established.
62.	Section C.4	Are both conversion reactors in a conversion line taken down for maintenance at the same time?	No, not always.
63.	Section C.4	Are there sufficient isolation valves to allow for one conversion reactor in a line to remain operating while the other is shut down and isolated for invasive maintenance?	Yes, although invasive maintenance is not performed when a conversion unit is operating.
64.	Section C.4	What is the particle size distribution for the uranium oxide product produced in the fluidized bed, before compaction?	Particles are larger than the conversion reactor filter pore size.
65.	Section C.4	What is the typical purity of the UOX powder (e.g., 99%, 99.9%, 99.99%...)?	This has not been established at this point.
66.	Section C.4	Have steam flow transmitters been installed on all steam sources going into the conversion reactor?	Yes.
67.	Section C.4	What is the typical reaction efficiency for hydrogen? Said another way, what percentage of hydrogen above stoichiometric is typically required during operation at full design conversion rates?	At this point, process optimization is still in progress.
68.	Section C.4	What is the average and maximum dose rates on contact with the exterior of the insulation jackets on the conversion reactors?	These components are located in a controlled area.
69.	Section C.4	Where the inside surfaces of the conversion reactors inspected during the recent extended outages?	No.

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70.	Section C.4	If yes to the previous question, were there any signs of accelerated wear (e.g., erosion/corrosion) in the area in contact with the fluidized bed?	See response to Question 69.
71.	Section C.4	Is the replacement of any conversion reactors anticipated within the next 5 years?	No.
72.	Section C.4	If yes to the previous question, what is the expected replacement cost for this specialty component?	See response to Question 71.
73.	Section C.4	What is the maximum G-temperature that can be achieved in the fluidized bed prior to the initiation of DUF6 feed and the commencement of the exothermic conversion reaction?	Please clarify what do you mean by G-temperature.
74.	Section C.4	How many cylinders with Tc-99 contamination have been processed?	None.
75.	Section C.4	Has there been any carryover/migration of Tc-99 into the downstream conversion reactors or into the HF condensers and off gas treatment system?	No.
76.	Section C.4	If Tc-99 carryover has occurred, what types of contamination levels were encountered in the downstream systems?	See response to Question 75.
77.	Section C.4	Has any physical, chemical or radiochemical analysis been performed on the deposits on the conversion reactor distributor plates and filters? If so, would DOE provide the results?	Not on the current distributor plate material.
78.	Section C.4.1	Please provide any performance comparisons of the DUF6 units to the AREVA Richland Facility units that the design is based on.	None are available.

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79.	Section C.4.1	Please provide method of cylinders storage, such as feed list order, by assay, or randomly.	Cylinder storage is mainly random within the designated cylinder storage yards.
80.	Section C.4.1	Does DOE provide a specified feed list or does the Contractor make that decision?	The contractor selects the cylinders to be processed consistent with contract requirements, considering such factors as assay level, whether PCB paint is present, etc.
81.	Section C.4.6	Please clarify which labor costs are included in the CSY firm fixed price and conversion facility cost plus work breakdown structure. In Section L-10 of the PWS, WBS PA-1000 blurs the line between labor costs included in PA-1000 and PAFFP.	The PAFFP and POFFP shall include only the labor costs associated with this work. PA/PO-1000 contains the rest of the costs associated with this work.
82.	Section C.4.6	Please make the same clarification for PO-1000 and POFFP as these WBS are worded similarly.	The PAFFP and POFFP shall include only the labor costs associated with this work. PA/PO-1000 contains the rest of the costs associated with this work.
83.	Section C.4.6	Please confirm that labor costs to be included with the following activities are to be included with CSY FFP contract. If not, which activities should be excluded?	The PAFFP and POFFP shall include only the labor costs associated with this work. PA/PO-1000 contains the rest of the costs associated with this work.
84.	Section C.4.6	Please make the same clarification for PO-1000 and POFFP as these WBS are worded similarly	The PAFFP and POFFP shall include only the labor costs associated with this work. PA/PO-1000 contains the rest of the costs associated with this work.
85.	Sections C.4.7 and C.7.1.3	These PWS elements include the same: "Retrieve cylinders from the yard and transport them to the conversion facility." Please clarify.	Section 4 includes the non-labor portion of cylinder transport. Section 7 includes the labor portion of cylinder transport. Section C will be amended to clarify this.

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86.	Sections C.4.8 and C.4.9	Section C versus Section L.24, Attachment L-10, Work Breakdown Structure Dictionary inconsistencies: Section C identifies PWS numbers C.4.8 (AqHF Sales) and C.4.9 (Waste) as being part of WBS PA/PO1000 yet they are addressed in WBS PA/PO2200, Waste Management. Please clarify.	Section C will be amended to clarify.
87.	Section C.4.10	Transuranic (TRU) wastes - Should we assume that, if a TRU cylinder heel is generated as a result of a damaged cylinder that is not usable as a UOX container, it will be packaged and managed as TRU, but that there is no DOE expectation that it will be packaged, certified and shipped to WIPP during the term of this contract?	The number of cylinders with the potential to have transuranic (TRU) is very small and the TRU will be entrained in the heel. Damaged, TRU-containing cylinders will be over packed and managed as low level radioactive waste with TRU (to be quantified). These TRU-containing cylinders should meet the waste acceptance criteria at either of the proposed disposal sites (EnergySolutions, WCS and NNSS). These TRU containing cylinders will not be disposition as part of this contract.
88.	Section C.4.12	The Reliability, Availability, and Maintainability (RAM) Analysis (DUF6-G-M-STU-006) is referenced in the SDDs and is included in the RFP DATA folder. The SRD also states an availability of 84% is needed to meet throughput and the RAM study showed that would be met. Provide any historical throughput evaluations by unit operation or actual operating/maintenance data (failure/recovery) that can be used to interpret if the systems are meeting the expectations defined in the RAM analysis. This will provide insight into what is contributing to throughput issues	See chart of metric tons of DUF6 processed monthly, posted on the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
89.	Section C.4.12	During the tours, a graph in the maintenance area hallway was visible which indicated a chronic, large backlog of overdue maintenance tasks. Would DOE provide the current list of overdue or deferred maintenance?	DOE does not believe a list of current maintenance actions will be helpful; maintenance items arise and are resolved on an ongoing basis.

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90.	Section C.5	Has a maximum capacity demonstration been performed on each facility? If so, please provide the report along with any information on capacity limits of each process step.	No.
91.	Section C.5	Is the estimated annual budgets provided by DOE in L-24 (L-28) based upon the known modifications already included in the Baseline? In order to avoid duplication can DOE provide descriptions of these modifications?	The DOE-provided costs for modifications were based upon budgeted costs for modifications in FY2014 and FY2015.
92.	Section C.6.10.3	Will the incumbent contractor's issues management system be provided to the new contractor upon notice to proceed? Can DOE provide a list of current issues?	Yes. Current issues will not be provided, as issues are raised and resolved on an ongoing basis.
93.	Section C.6.13.2.5	Please provide information related to the existing Computerized Maintenance Management System. Please clarify whether these systems are government owned, and therefore available for contractor use.	The computerized maintenance management system will be made available at contract transition.
94.	Section C.6.13.2.7	This clause states "All facilities receive a condition assessment survey at least once during any 5-year period and more frequently based on facility status, mission, importance and magnitude of the hazards associated." Have any CASs been performed? Condition assessments surveys result in a determination of the current condition of real property assets, their estimated time to failure, the optimal period to accomplish maintenance actions based on engineering/maintenance analysis, and the estimated cost to correct identified deficiencies. Can we get copies of the assessments performed within the last year?	The Condition Assessment Survey is not a requirement of the current contract. However, a Mission Unique Facilities Assessment was completed in FY2015 and concluded that all DUF6 project facilities are adequate.

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95.	Section C.6.14	What is the status of hardware upgrades at Lexington, Paducah, and Portsmouth?	Desktop PCs, network PCs and control room servers have been upgraded during the current contract.
96.	Section C.6.14	What is the status of software upgrades at Lexington, Paducah, and Portsmouth?	The Microsoft operating system for PCs has been upgraded during the current contract.
97.	Section C.6.14	Are there any outstanding corrective actions in regard to the cyber security system?	Corrective actions arise and are resolved on an ongoing basis.
98.	Section C.6.14 and Attachment L-10	Both Paducah and Portsmouth sections state: "Other than inter-site travel, the work here is currently planned only as direct labor." Question: Please confirm that the IT scope is labor only, i.e., level-of-effort.	The PA/PO IT scope includes labor and travel. Other IT charges are part of LX1000.
99.	Section C.6.14 and Attachment L-10	This section states that this scope is "level-of-effort." It also states that key systems and hardware upgrades are complete, licensing is accurate, and implementation of key functionality, maintenance and support is in progress. Question: Please confirm that the IT scope is labor only, i.e., level-of-effort.	No. LX1000 includes non-labor costs including hardware and software upgrades.
100.	Section C.6.15	The second paragraph, second sentence states that "the contractor shall develop, implement and maintain a System Security Plan 60 days after the NTP." RFP Section J, attachment J-8 does not include the System Security Plan as a contract deliverable. Please clarify if the System Security Plan is a contract deliverable and if yes, what is the associated deliverable number.	Yes; this deliverable will be added in an upcoming amendment.
101.	Section C.6.15	Section C.6.15 states that a System Security Plan is due 60 days after NTP. This deliverable is not listed on Attachment J-8, List of Deliverables. Is there a current System Security Plan? If so, please provide a copy to bidders.	See Response to Question 100

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102.	Section C.6.5	RFP specifies that Contractor shall be responsible for preparation of additional NEPA documents required to complete the work scope and the support of DOE NEPA compliance activities. The pre-bid slide (pg.23) indicates that the additional NEPA action needed for the facilities pertains to disposal of DUF6 oxide and that no transportation or disposal of the oxide is expected in the near future including the contract period. The Draft and Final RFP for the subject requires the Contractor to prepare additional NEPA documentation as required to complete the scope of work. No Contractor has prepared any of the prior NEPA work for these facilities and it's been all DOE internalized (e.g.,. Argonne National Laboratory). The remaining NEPA work relates to disposal for the converted DUF6 oxide that is currently stored. The site visit slides indicated that no disposal shipments are intended in the near future including the contract period for both sites. Please provide clarification of what the expected NEPA scope might be during the contract period given the above circumstances.	As stated, no transportation or disposal of the oxide is expected in the near future including the contract period. NEPA scope is expected to consist of general project support on an as-needed basis.
103.	Section C.6.6	Are there any pending permit modifications, termination dates or environmental compliance issues or deadlines that should be factored into operations and production schedules/planning?	There are no known permit issues that will affect operations and production.

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104.	Section C.6.6	Please provide a list of the permits, e.g. air permits and other permits, that we need to become signatory to.	Paducah: 1) Kentucky Agreed Order 2) Paducah Air Permit No. F-10-035 R1 3) Paducah KPDES Permit No. KY0004049 4) Non-contact Cooling Water Additives Notification - KDEP 5) Paducah Hazardous Waste Generator Registration 6) Utah Generator's Site Access Permit 7) State of Tennessee - Radioactive Waste License-for-Delivery 8) NESHAPS Authorization Portsmouth: 1) Director's Final Findings and Orders (DFFO) 2) USEPA Region 5 TSCA Approval 3) Portsmouth Air Permit No. P0109511 4) Portsmouth NPDES Permit No. 0IS00034*BD 5) NESHAPS Authorization 6) Non-contact Cooling Water Additives Notification – OEPA 7) Portsmouth Hazardous Waste Generator Registration 8) Utah Generator's Site Access Permit 9) State of Tennessee - Radioactive Waste License-for-Delivery These are posted on the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php

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105.	Section C.6.8.1	Is DUF6 Contractor responsible for conducting the chemical screening and vulnerability analysis at the sites for the project, or is that provided by the ODSA's organization?	Yes.
106.	Section C.7.1	The PWS requires the Contractor to perform S&M on oxide cylinders. Please provide the requirements for oxide cylinder S&M (frequency, etc.) and the S&M Plan for oxide cylinders.	The requirements for surveillance and maintenance of oxide cylinders have not been approved by DOE.
107.	Section C.7.1	Please provide UT and NDA subcontract annual costs and agreements as to how much CSY labor support must be provided for conducting these tests, and whether this labor support is included in WBS PAFFP and POFFP, fixed price.	Costs are subsumed within PA/PO1000, located in the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
108.	Section C.7.1	Please provide maintenance histories for cylinder transport equipment	Costs are subsumed within PA/PO1000, located in the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
109.	Section C.7.1	Attachment J-16 provides a list of GFE but does not provide detailed condition assessment, records of repairs/problems, or preventive maintenance schedules. Will DOE either provide this information for the cylinder yard equipment, or provide a plug number for maintenance and repair since bidders, with the exception of the incumbent, would be unlikely to have sufficient data to accurately estimate this cost?	Costs are subsumed within PA/PO1000, located in the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
110.	Section C.7.1	Please provide information on the average time required to survey/inspect a cylinder and the time required to complete all associated paperwork/reports.	Costs are subsumed within PA/POFFP, located in the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
111.	Section C.7.1	Are cylinders required to be physically lifted, rolled, and/or turned to complete inspection/surveillance? If so, is the equipment necessary to do so provided by DOE?	Yes, for any cylinder move; Yes, equipment is provided by DOE.

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112.	Sections C.7.1.1 and C.7.1.2	"The contractor shall also adopt or develop a database to track the inventory of cylinders containing UO_x." Please clarify whether an UO_x Cylinder Database exists for this fixed price scope. If a database exists, please provide a copy.	The UOx database exists in the CID, which will be provided to the successful contractor during Transition.
113.	Section C.7.1.2	If cannot grant access to CID, please provide the following CID data reports: 1. # & Type of cylinders in each yard/section, 2. # of cylinders requiring annual vs quadrennial inspections, 3. # and type of cylinder valves, especially # of those unacceptable for Conversion Plant processing and thus requiring replacement, 4. # of valves and plugs (such as bagged pending maintenance) currently requiring maintenance, 5. # and location of cylinders by assay (<0.25%, 0.25 to <normal, normal, LEU, etc.), 6. Historical annual maintenance summaries for cylinders, 7. Historical annual maintenance summaries for cylinder handling equipment, 8. Historical annual maintenance summaries for cylinder yard pads, drains, basins & buildings.	A summary of the relevant information will be made available in the documents library: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php Costs are subsumed within PA/PO1000, located in the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
114.	Section C.7.1.2	The PWS states that the contractor may adopt the database to track the inventory of cylinders containing UOX. Please provide a copy of this database and information on its software and configuration management.	A summary of the relevant information will be made available in the documents library: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php

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115.	Section C.7.1.2	This section states: "The Contractor shall also adopt or develop a database to track the inventory of cylinders containing UOx; this database shall include cylinder integrity inspection (specifically for U.S. Department of Transportation compliance), contents, inspection status, surveillance and maintenance (S&M) activities, and location for the cylinder inventory." Please provide information on the current tracking system, such as the functional requirements, operating system, and integration with other site systems, to allow the contractor to fully evaluate the option of using the current system or implementing a new system.	The UOx database exists in the CID, which will be provided at Transition. A summary of the relevant information will be made available in the documents library: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
116.	Section C.7.1.3	What is the average number of cylinder moves that have been required in the cylinder yards in order to obtain a cylinder that meets the selection criteria for conversion operations?	The average number of cylinder moves is not available. Costs are subsumed within PA/POFFP, located in the documents library at: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php
117.	Sections C.7.2 and C.7.3	Approximately what percentage of the cylinder population (per yard) meets the intial criteria for conversion operations with assay equal to or less than .25%? Approximately how many of these are degraded or off-size?	Each site has at least 2,000 cylinders, compliant for conversion processing.
118.	Sections C.7.2 and C.7.3	Are the cylinders stacked in the storage yard according to any specific attributes, such as enrichment, etc.?	Cylinders in the yards are mostly in random locations, with separation of oxide material.
119.	Section C.7.1.2	The PWS directs offerors to refer to CID for the numbers and types of cylinders in inventory. CID has not been provided and the information therein is necessary to accurately understand and estimate cylinder management functions. Please provide a copy of or access to CID.	A summary of the relevant information will be made available in the documents library: https://www.emcbc.doe.gov/SEB/DUF6/Document%20Library.php