<table>
<tr><th>No.</th><th>RFP Section</th><th>Subject</th><th>Page No.</th><th>Industry Question</th><th>DOE Response</th></tr>
<tr><td>96.</td><td>EM.PA.0040.A008.48.DR.06 R-114 Freon</td><td>Quantity of rejected R-114</td><td>C-98</td><td>Please provide clarification regarding the quantity of R-114 Freon which must be dispositioned by the contractor which may be rejected by the assigned contractor.</td><td>NOTE THAT THE ANSWER TO QUESTION #96, ORIGINALLY POSTED ON 8/19/16, HAS BEEN REVISED AS FOLLOWS:

Offerors should assume that the DOE Provided Cost of $3.2M per year includes all the disposition costs for R-114. Section L, Attachment L-9 will be revised to include this assumption.</td></tr>
<tr><td>104.</td><td>EM.PA.0040.A002.04.DR.01 (Waste Operations)</td><td>Types and Volumes of waste</td><td>C-62</td><td>For planning and costing purposes, please provide estimates of the anticipated types and volumes of wastes that will remain after contract transition of from the previous contractor, as well as the average annual wastes to be managed/disposed from TVA and other site contractors.</td><td>The estimated annual volumes of waste by waste type that are expected from the Infrastructure Contractor, TVA and other site contractors are included in the table below:

<table><tr><th>Waste Type</th><th>Quantity</th></tr><tr><td>Waste Meeting C-746-U Landfill Authorized Limits</td><td>13,000 ft^3/year</td></tr><tr><td>LLW</td><td>26,300 ft^3/year</td></tr><tr><td>TSCA</td><td>300 ft^3/year</td></tr><tr><td>MLLW</td><td>325 ft^3/year</td></tr></table>
The estimated volumes of waste by waste type that will remain after contract transition from both the Incumbent Contractor and the Infrastructure Contractor are listed below:

<table><tr><th>Waste Type</th><th>Quantity</th></tr><tr><td>Potentially Fissile</td><td>700 ft^3</td></tr><tr><td>Waste Meeting C-746-U Landfill Authorized Limits</td><td>2,100 ft^3</td></tr><tr><td>LLW</td><td>19,500 ft^3</td></tr><tr><td>TSCA</td><td>1,110 ft^3</td></tr><tr><td>MLLW</td><td>250 ft^3</td></tr></table>
Attachment L-9 will be revised to include this</td></tr>
</table>

					information as a costing assumption.
105.	C.2/EM.PA.0040.A008.42.DR.	Utility Operations	C-75	Please provide the drawing or drawings showing the distribution system on site, including locations of underground piping, for the following systems: • Steam supply system/condensate drains • Sanitary water system • Sewage system • Compressed air system • Nitrogen system • Chilled water • Waste Heat • Natural Gas Any other underground utility lines.	Utility grid drawings were added to the Document Library on the procurement website.
106.	H.5.G.2	Worker Pensions and Retirement Health Benefits	H13	EM.PA.0040.A.0001.07DR.19 in Section C indicates that the contractor will be required to become a participating employer/sponsor in the ETTP Pension Plan. H5.G.2. states that the Contractor is further required to become a sponsor of "other" existing defined benefit plans. If the Contractor's obligation is to become a sponsor of any other plans beyond the ETTP MEPP, please specifically name and identify what existing plans are applicable.	There are no "other" final existing defined benefits plans at this time. If "other" defined benefits plans become finalized and approved, DOE will share those plans after contract award. The Offeror is not expected to price any "other" defined benefits plans in its proposal.
107.	Section L	Additional Details for Other than Direct Labor Costs	L-31	We request that DOE provide an annual cost for materials, consumables including fuel, PPE, and supplies. The incumbent has direct knowledge of materials and supplies on hand, including the extent of available spare parts (not critical spare parts) and overall warehouse inventory. This knowledge could result in their ability to provide a substantially lower cost for these items. A DOE provided	All Offerors shall price the resources required to accomplish its proposed technical approach. The Offeror shall not assume any materials, supplies, spare parts, etc. are available on hand other than those contained in Section J, Attachment, J-12, Government Furnished Services and Items or Section L, Attachment L-9.

				cost for these items would remove the competitive advantage currently provided to the incumbent.	Additionally, Section J, Attachment, J-12, Government Furnished Services and Items will be revised to include an updated list of property.
108.	Documents Library, DOE Provided Labor Rates - Rev 1	Technical Writer / Editor I Labor Rate		In the DOE Provided Labor Rates - Rev 1 (posted as the Paducah D&R Labor Rates in the Documents Library), the same labor title "Technical Writer / Editor I" is listed as both a Category C rate and a Category F rate. Should the title in Category F be "Technical Writer /Editor II"?	Yes, the title for Category F should be "Technical Writer /Editor II." The DOE Provided Labor Rates were revised in the Documents Library of the procurement website.
109.	EM.PA.0040.A008.48.DR.04	Cold Trap Disposition Information	C-95	Section C, EM.PA.0040.A008.48.DR.04, C-746-Q1, "Cold Trap Disposition" we respectfully request the following information: 1. Based on a press release from PPPO dated June 27, 2014, the cold traps identified in the RFP appear to contain UF6 in significant quantities to justify future recovery efforts by DOE. Please confirm UF6 is present in the cold traps and provide any additional characterization data including hazardous materials, metals or other chemical constituents which may be deposited in the internal systems. 2. If UF6 is known to be present in the cold traps, please consider allowing the bidders to adjust schedules beyond 24 months to support implementation of processes to safely remove this material for disposition. 3. Please provide packaging specifications and drawings for the overpacks currently containing the cold traps in 746-Q. Also, will these overpacks meet DOT requirements for in-commerce shipments? 4. Please provide any available detailed drawings of the cold traps internal configuration to support development of an approach for processing. 5. Please identify the mass or concentration of any hazardous or other chemical constituents expected to be held up in the cold traps.	1. No sample data has been obtained to provide conclusive data as to the characterization of the material in the traps. Volume of UF6 was estimated based on weight measures. 2. The milestone will stay as written. 3. Drawings for over packs have been added to the Controlled Unclassified Information and are available upon request. See the "Requesting Controlled Unclassified Information" option on the website. Section C was revised to add a reference to the drawings. 4. Drawings for cold traps have been added to the Document Library on the website. Section C was revised to add a reference to the drawings. 5. No sample data has been obtained to provide conclusive data as to the characterization of the material in the traps.
110.	L-7	EM.PA.0020.A001.03. DR.01 and .04 / .05 Roll-ups	All Pages	**Q:** Can you please confirm that there should not be a roll-up for EM.PA.0020.A001.03.DR.01 and .04 & EM.PA.0020.A001.03.DR.01 and .05 on the L-7 worksheet? The 2 WBS elements ending in .04 and .05 are not referenced	The L-7 cost workbook will be amended to correct errors in the row descriptor for the EM.PA.0020.A001.03.DR.01 and .02 Roll-up to be consistent across all cost element worksheets

				anywhere else in the RFP and have no scope associated with them.	(Direct Labor, Materials, Equipment, etc.). Previous Version: EM.PA.0020.A001.03.DR.01 and .02 EM.PA.0020.A001.03.DR.01 and .03 EM.PA.0020.A001.03.DR.01 and .04 Amended L-7: EM.PA.0020.A001.03.DR.01 and .02 EM.PA.0020.A001.03.DR.01 and .02 EM.PA.0020.A001.03.DR.01 and .02
111.	Section C/ EM.PA.0011.A001.01.DR.02/ a)	Polychlorinated Biphenyls (PCBs) Operations	C-16	**Q:** How much PCB-contaminated liquid is collected in the trough systems per year?	Currently the trough systems collect an average of 3,000 gallons of PCB-contaminated liquid (primarily water) per year.
112.	Section C/ EM.PA.0011.A001.01.DR.02/ a)	Polychlorinated Biphenyls (PCBs) Operations	C-16	**Q:** How much of the trough system has to be replaced each year?	Trough system repair is infrequent and sporadic. The repair/replacement accounts for less than one percent of the total linear feet of the system per year.
113.	Section C/ EM.PA.0011.A001.01.DR.02/ a)	Polychlorinated Biphenyls (PCBs) Operations	C-16	**Q:** The TSCA FFCA identifies 18 additional buildings that have PCB-impregnated gaskets but do not have a trough system. Has there ever been a PCB spill cleanup emanating from those sources of PCBs?	No, the leaks are associated with the lube oil systems in the process buildings only.
114.	Section C/ EM.PA.0040.A002.04.DR.01/ 5th paragraph	Waste Operations	C-62	**Q:** Does DOE consider equipment decontamination and demobilization activities part of what is considered "completion of the remedial/removal process?"	Yes, DOE considers it part of "completion of the remedial/removal process."
115.	Section C/ EM.PA.0040.A002.05.DR.01/ 1st paragraph, a)	Landfill Operations	C-67	**Q:** What process does DOE employ for disposal of Authorized Limit waste at the C-746 Landfill? In particular, is DOE approval of the waste performed before or after generation? If a waste profile for ALs is approved before generation, is DOE involved in approval/concurrence of confirmation characterization after generation but prior to disposal?	The Deactivation Contractor submits a Request for Authorized Limits (AL) Approval to DOE that includes a Radiological Data Summary Sheet containing pertinent information, such as waste description, radiological history, estimated volume and density of waste, and the mean and median concentrations of radionuclides. DOE reviews the information to determine if it meets authorized limits criteria. If criteria are met, DOE approves the AL Request by sending an approval letter to the Contractor. The Contractor provides disposal data

					for AL packages to DOE for entry into the AL database. DOE approval can occur before, during, or after waste generation as long as adequate characterization data are provided. DOE approval must occur prior to disposal. DOE is not involved in the characterization process, other than reviewing the Radiological Data Summary Sheet when it is submitted with the AL Request. DOE conducts an annual audit of the AL program, which may include a review of the Contractor's characterization process as well as other aspects of the Contractor's AL program.
116.	Section C – Statement of Work	EM.PA.0040.A008.42. DR.04.01 Electric Power Operations and Deactivation of Switchyards		With regard to Question 17 posted by DOE: "Can DOE provide a target calendar date when EEI and TVA are scheduled to complete reconfiguration to allow the accurate time phasing of this work?" was intended to ascertain the target completion date of the reconfiguration performed by EEI and TVA of the 161 kV lines to migrate away from C-537 and C-535 switchyards. The response to question 17 repeated the answer to question 16 which states the completion date of a new switchyard as February 15, 2019. It is understood that removal of the 161kV lines from the C-533, C-535, and C537 in not dependent on the construction of a new switch yard and bypass around C-531 and EEI/TVA actions to drop the 161kV lines from the other switch yards could be done ahead of, or in parallel of, the construction of the new C-531 switch yard. **Q:** Based on response to this question, is it correct to assume that the milestone date to shut-down, de-energize and drain the C-537, C-535, and C-533 switchyards (C-533 moved to this milestone by amendment) is 6 months after February 15, 2019 (August 15, 2019) or does each switch yard (C-533, C-535, C-537) have a unique shut down target completion date by EEI/TVA?	TVA is coordinating and executing the reconfigurations for both TVA and EEI. The reconfiguration of the 161 kV lines away from the C-533, C-535, and C-537 switchyards are expected to be completed by December 31, 2017. The 6-month milestone should be calculated from December 31, 2017. Section C will be updated to clarify the date.
117.	B.2, Table B.2-1, Contract CLINs	Technical Option Work	B-3, B-4 C-98, C-99, C-102, C-105 and F-3	Table B.2-1 Contract CLINs, identifies the CLIN title under Technical Option 1, CLIN 0106 as "NDA Characterization C-315 Facility and Deposit/Hold-up Removal for C-315/C-620 Facility"; Technical Option 2, CLIN 0206 as "NDA Characterization of C-	Section B.2, Table B.2-1, Contract CLINs, the CLIN Title for CLIN 0106 will be revised to "NDA Characterization C-315 Facility and Deposit Removal and Deactivation of C-315/C-620."

	C.3, Technical Option Work F.3, Technical Option and IDIQ CLINS			310/C-310A Facility and Deposit Removal for C-310/C-310A"; and Technical Option 3, CLIN 0306 as "Deactivation of Fire Systems for the Process Facilities". Section F.3, Page F-3, identifies the CLIN title in the Technical Option and IDIQ CLINs Table, CLIN 106 as "C-360 NDA Characterization and Deposit/Holdup Removal"; CLIN 206 as "C-310 NDA Characterization and Deposit/Holdup Removal; and, CLIN 306 as "Loose Converters and Compressors NDA Characterization and Deposit/Holdup Removal". Please clarify the titles and scope of work for CLINs 106, 206 and 306 and whether these CLINS are part of the Base or Technical Options scope. As an example, NDA and Deposit Holdup Removal for Loose Convertors and Compressors in Table B.2-1 is included in CLIN 0105 in the Base Period of Performance, but is identified as a Technical Option under CLIN 306 on page F-3.	Section F.3 Table Technical Option and IDIQ CLINs, the CLINS will be revised as follows: CLIN 0106 "NDA Characterization C-315 Facility and Deposit Removal and Deactivation of C-315/C-620". CLIN 0206 "NDA Characterization of C-310/C-310A Facility and Deposit Removal for C-310/C-310A". CLIN 0306 "Deactivation of Fire Systems for the Process Facilities".
118.	C.2/EM.PA.0011.A001.01.DR.02	PCB collection troughs	C-16	The RFP states that there are "over 16,000 PCB collection troughs (ranging from 4 ½ to 6 feet in length) installed inside the cascade buildings." This implies the existence of approximately 13.6 to 18.2 linear miles of troughs in the buildings. Please confirm that the specified information is correct and provide the approximate number of waste collection points for the troughs.	The information provided for the PCB collection troughs is correct. There are approximately 260 collection points for the troughs. Section C will be revised to add the number of collection points.
119.	C.2/ EM.PA.0040.A001.07.DR.04.06 QSNDA Characterization	QSNDA Program	C-45	The opening sentence states…"The Contractor shall accept **or** *(emphasis added)* complete if not yet final/approved and implement…". Please provide an expected status of the QSNDA program at the end of Transition that will allow us to define assumption of accepting and implementing OR completing and implementing the QSNDA program. Is there UF6 material available at PGDP for fabricating traceable working reference material? How much is available? What is the weight percent U-235? What traceable working reference materials are available or will be available for NDA instrument calibrations and performance demonstrations? What QSNDA compliant instrument platforms are currently in use or will be available at transition at PGDP? What type of components are	Offerors shall assume the following working reference material (WRM) will be available for measurement system initial calibration, calibration confirmation, calibration verification, and performance demonstrations: • (60) Psi-tube UF6 gamma standards (29 at 1% and 31at 4.9%) enrichment; • (50) Tacky Mat UO2F2 gamma/neutron standards ≥ 3% enrichment; • >700g U-235 of 9-inch tube style neutron standards ≥ 4% enrichment; • >700g U-235 of 9-inch tube style neutron standards < 1% enrichment; • (4) Tc-99 contaminated trap media drums; and • (4) varied-matrix waste drums. Offerors shall assume that the following

				the platforms qualified for?	measurement systems are available: • Gamma NDA Method capable of establishing mass control for large (i.e., greater than 14-inch inside diameter) non-interstage equipment (non-ISE) as defined in NCSE 095; • Passive Neutron NDA Method, based on NeuDetEf or commonly accepted modeling software (e.g., MCNP), capable of making NCSE 095 and Gen-10/Gen-20 compliant quantifications; and • Passive Neutron drum/box counter using NeuDetEf or commonly accepted modeling software (e.g., MCNP). Offerors shall assume that the following activities were completed/demonstrated for each measurement system above: • Construction (or acquisition) and certification of measurement standards and PPPO approved surrogates or alternate model validation methods required for measurement system initial calibration, calibration confirmation, and calibration verification, including third party data validation; • Satisfactory performance of a DOE Performance Demonstration Program (PDP) test (or DOE approved alternative approach); and • Successfully performance of a field measurement using the QSNDA compliant measurement system as evidenced by a third party data validation. Additionally, Offerors shall assume that a Reconfigurable Shielded Passive Neutron System (RSPNS) structure (excluding detectors and electronic suite) has been fabricated and has undergone a successful field deployment. This RSPNS structure shall be designed to facilitate the counting of all major stage components except the Compressor in a 000-stage (Convertor, Control Valve, Major Connective Piping and Transitions, and B-Balanced elbow). Attachment L-9 will be revised to include this

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<tr><td></td><td></td><td></td><td></td><td></td><td>assumption.</td></tr>
<tr><td>120.</td><td>C.2/Table EM.PA.0040.A001.04.DR.01-1</td><td>Waste Storage Facilities</td><td>C-65 and C-66</td><td>Please provide the volumes and types of waste currently stored in the storage/staging facilities listed in the referenced table.</td><td>The volumes of waste currently stored in the waste storage facilities are not relevant for proposal purposes since the volumes within these facilities are constantly changing and are expected to be disposed of by the Incumbent Contractor. The estimated volumes of waste by waste type that will remain after contract transition from both the Incumbent Contractor and the Infrastructure Contractor are listed below:

<table><tr><th>Waste Type</th><th>Quantity</th></tr><tr><td>Potentially Fissile</td><td>700 ft3</td></tr><tr><td>Waste Meeting C-746-U Landfill Authorized Limits</td><td>2,100 ft3</td></tr><tr><td>LLW</td><td>19,500 ft3</td></tr><tr><td>TSCA</td><td>1,110 ft3</td></tr><tr><td>MLLW</td><td>250 ft3</td></tr></table></td></tr>
<tr><td>121.</td><td>C.2/Table EM.PA.0040.A001.04.DR.01-1</td><td>Waste Storage Facilities</td><td>C-65</td><td>The description of facility C-746-Q in the referenced table states, “Material that requires nuclear criticality storage is located here.” C-746-Q is not listed as a Nuclear Facility. Facility C-746-Q1, which is part of the C-746-Q facility, is listed as a Haz Cat 2 facility. Please confirm whether C-746-Q is, or is not, a nuclear facility (e.g., Haz Cat 2).</td><td>C-746-Q is a Haz Cat 2 Facility.</td></tr>
<tr><td>122.</td><td>C.2/ EM.PA.0040.A002.04.DR</td><td>Waste Operations</td><td>C-66</td><td>Facility C-761 is listed as a Staging Area in Table C.2.EM.PA.0040.A002.04.DR.01-1, but it is not listed/shown on the Site Map (PAD-P2S-15-GIS-0001, Rev. 1), nor is it listed in Attachment J-18 of the RFP. Please clarify.</td><td>Although not included in the list of facilities on the map, it can be found on the referenced Site Map by using the Edit>Find function. The C-761-T01 facility shown on the map adjacent to the road was a portable office trailer that is no longer there. C-761 is the gravel frontage road that parallels Hobbs Rd between Post 57 and the DUF6 Plant.</td></tr>
<tr><td>123.</td><td>C.2/ EM.PA.0040.A002.05.DR</td><td>Landfill Operations</td><td>C-67</td><td>Please provide actual C-746-U landfill disposal volumes by year for 2015, 2014, and 2013.</td><td>2013 – 1,856 tons
2014 – 1,116 tons
2015 – 847 tons
2016 – 1,441 tons (through July)</td></tr>
</table>

124.	C.2/Table C.2.EM.PA.0040.A005.02.DR. 02-01, Document PPPO-02-3287657-16	SWMUs 211 A&B Remediation	C-70	The Final Characterization Notification for Solid Waste Management Unit 211-A and Solid Waste Management Unit 211-B at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, December 17, 2015 recommends that the FFA parties confer to discuss that the current agreed schedule did not anticipate the potential for subdividing SWMU 211-A and selecting EISB (Alternative 8) for the western portion of SWMU 211-A and long term monitoring (Alternative 2) for the eastern portion of SWMU 211-A, and proposes a date of February 2016 for a meeting. Please provide information resulting from this and any subsequent meetings regarding the recommended path for the eastern and western lobes of SWMU 211A.	There have been no scoping meetings held in 2016 to date between the FFA parties to discuss the schedule for executing the remedy for SWMU 211-A, nor a path forward for addressing SWMU 211-B. The Offerors should consider planning dates shown in the SMP and state their assumptions regarding the schedule for completing the scope specified in the PWS.
125.	C.2/EM.PA.0040.A005.10.DR	C-400 BUILDING SUBSURFACE GROUNDWATER SOURCE REMEDIATION Deliverables	C-71, C-72	Deliverable requirements are stated as "As established in the Contractor's CPB and approved by DOE. Dates must be consistent with the latest approved version of the FFA SMP." The 2015 version of the SMP has enforceable and/or planning dates associated with the Phase IIb Treatability Study D1 Revised Proposed Plan and subsequent documents. Please confirm that the Contractor is not required to submit separate C-400 Phase IIb deliverables.	There is no scope within the RFP associated with C-400 Phase IIb implementation and deliverables. The Offerors should address the scope included in the PWS for the C-400 Complex.
126.	C.2/EM.PA.0040.A005.10.DR	C-400 BUILDING SUBSURFACE GROUNDWATER SOURCE REMEDIATION Deliverables	C-71, C-72	As a follow on to the question above, since the existing FFA SMP provided in the supporting documents is only applicable to Phase IIb treatability study and it does not include the scope that is in the RFP, shall we assume that the FFA SMP deadlines will be consistent with our proposed Contractor Performance Baseline?	No, it is not appropriate to assume the regulatory deadlines will be defined by the contractor's proposed baseline. The deadlines are negotiated between the FFA parties.
127.	C.2/EM.PA.0040.A005.10.DR	C-400 Source Remediation	C-71, C-72	This PWS element refers to C-400 source remediation. We assume that the dissolved phase contamination at C-400 is addressed under the GWOU. Is this correct?	The proposed method(s) of accomplishment should consider the requirements in Section C. The treatment of groundwater is dependent on the Offerors technical approach.
128.	C.2/EM.PA.0040.A008.42.DR. 02 Steam, Chilled Water, Compressed Air, & Waste Heat Systems	Utilities Operations	C-76, C-77	Page C-76 states the Contractor shall ensure that the facilities currently using steam for heating have a replacement heat supply installed if the facility is going to continue to be occupied/operated. It also states the Contractor shall develop and submit to DOE the plan and schedule for replacing the heat source to facilities that are going to remain operational 12 months after contract transition. Section J, Attachment 13, Item No. 153 requires DOE approval of the plan and schedule. Since submittal and approval of the plan is not required until 12 months after transition, should Contractors include an estimate of the steam replacement cost and schedule in the	Offerors are expected to propose a method of accomplishment (including schedule and cost) that addresses the scope and milestones described in Section EM.PA.0040.A0008.42.DR.01 Utility Operations. The plan, submitted 12 months after contract transition, should contain cost and schedule information for the planned replacement heat supply. The following facilities, as listed in Section C, use the recirculating heat system to provide heat

				proposal? If so, in order for Contractors to provide a reasonable estimate, can DOE provide a listing of the buildings currently using steam for heating?	(including estimated percentage of total recirculating heat load used): C-100 (8%); C-200 (2%); C-400 (40%); C-710 (6%); and C-720 (44%).
129.	C.2/Table C.2.EM.PA.0040.A008.42.DR.04-2	Electric Power Distribution Reference Documents	C-80	This table lists two reference documents "14kV Design Package" and "Power Contracts". There are no document numbers listed for the reference documents and they cannot be located in the document library. Please provide a copy of these reference documents.	The 14kV Design Package listed in the reference documents consists of items 5, 6, 7, and 8 in the "PAD GDP DR – CUI Document List" in the Document Library on the website and are available upon request. The power contracts for TVA and EEI have also been placed in the controlled document area on the website. See the "Requesting Controlled Unclassified Information" option on the website for instructions for accessing these files.
130.	C.2/EM.PA.0040.A008.43.DR.01 Analytical Laboratory Operations	On-site Analytical Services	C-81	Please provide the current frequency, quantity, types of analyses, and expected turnaround times for samples currently submitted by other site contractors (e.g., DUF_6, Infrastructure prime contractors) for analysis.	Other site Contractors are not currently submitting samples to the laboratory.
131.	C.2/EM.PA.0040.A008.48.DR	Stabilization and Deactivation	C-82	Please provide floor layout drawings for the PGDP uranium processing buildings, to include crane locations.	Floor layout drawings have been added to the Document Library on the EMCBC Website.
132.	C.2/EM.PA.0040.A008.48.DR.02	Deposit/Hold-up Removal for the Process Facilities	C-87	EM.PA.0040.A008.48.DR Deposit/Hold-up Removal, page C-87 and other pages refer to a "Transitional Hazard Facility Analysis (THFA)". Is this referring to the "Transitional Fire Hazard Analysis (TFHA)" that is defined it DOE-STD-1066-2012, Section 7.1.3?	No, the THFA and the TFHA are different documents.
133.	C.2/EM.PA.0040.A008.48.DR.06	Freon containers	C-97	Do the rail cars and ISO containers have sight glasses, pressure indicators, level indicators, or other means to accurately determine the weight and/or liquid volume of R-114 Freon in the vessel? If so, please provide the method available for determining the weight of the containers.	Yes, the railcars and ISO containers have level indicating devices.

134.	C.2/EM.PA.0040.A008.48.DR.06	Freon	C-98	Page C-98 identifies "Disposition Agreement" as a reference document in the provided table; however, this document cannot be located in the Paducah Deactivation and Remediation website document library. Is this referring to the Freon Disposition subcontract to be issued at a later date?	Yes, this reference is to the Freon Disposition subcontract to be issued at a later date.
135.	L-10(f)(4)	Print type	L-9	Section L-10.f.4 states, "Headers and footers, spreadsheets, charts, tables, diagrams or design drawings, and graphs must be 10 point or larger using Times New Roman font type." If a printed copy of the Primavera P6 schedule is required in Volume III, may the "print to fit" function be used to print the files in a logical manner, even if the font is smaller than the required 10 pt. Times New Roman? A more logical representation of activities to time is achievable using "print to fit" than is possible printing at 100% to meet the font requirement.	In Volume III, Offerors can logically break the Government Fiscal Year columns into multiple pages in order to meet the solicitation requirements, using paper size no larger than 11 x 17. Additionally, the schedule can span multiple pages if necessary; however, each page of the schedule shall include the applicable column and row headers.
136.	L.14(e)(iv) and L.17(l), 4th para.	Organization	L-21 and L-29	Section L.14(e)(iv) requires identification of FTEs by organizational elements, separated by management & supervision and labor disciplines by skill mix. Section L.17(l), 4th para – states…"The ***staffing summary*** by FTE required by Volume II, Technical and Management Proposal, must reconcile with the FTE labor in the cost/price proposal." (emphasis added). Please confirm that the FTE identification noted in each of these instruction sections is the same Volume II requirement. Also, please provide further direction, or an example of what is expected to meet L.14(e)(iv) as there appears to be a discrepancy in the two referenced sections above, related to the level of detail required by DOE in Volume II (i.e., summary staffing or detail by skill mix for each labor category by organization). FTEs by organization element broken down into management and labor category by skill mix will require multiple pages of the 15 page allotment for the Organization section. A FTE summary staffing for the entire PWS, that aligns to the cost volume, would appear to be appropriate by Management/Supervision, Professional/Technical/Project Support Staff, and Field Support/Craft Labor as the cost volume will show the labor discipline by skill mix by WBS.	Per L.14(e)(1)(iv), " The Offeror shall ensure consistency between FTE data provided in this Volume II of the proposal and the Volume III proposal related to cost or price." As such, the Offeror needs to ensure consistency between the two volumes.

137.	Att. L-6, L-7, L-8	Cost Sheets	L-53, L-54 and atts.	Is a printed copy of the Primavera P6 schedule required to be included in Volume III, or is only the electronic Primavera P6 "XER" file required for the proposal submittal?	Per Section L.10,(c)(4), the Offeror shall submit a printed copy and electronic copy of the Primavera P6 schedule in Volume III.
138.	Section J, Attachment J-18	PGDP D&R Facilities/Areas Assignment of Responsibility	Multiple	We request the DOE provide the quantities and unit of measure for Other Structures and Facilities (OSF) as shown in Attachment J-18. This information should be available in the Facility Information Management System (FIMS). The incumbent has direct knowledge of this information and this knowledge could result in their ability to provide a substantially lower cost for maintenance associated with these facilities. With the DOE providing this information the competitive advantage currently provided to the incumbent would be removed.	The OSF items in Attachment J-18 have been updated with data (as available) from FIMS.
139.	None	Facility/Shift Operations for Authorization Basis Compliance	None	Is the intent that Facility/Shift Operations (e.g., Shift Superintendent, Shift Coordinator, Facility Operators) be included in the Project Management WBS or the Surveillance & Maintenance WBS?	The Offerors are expected to propose a method of accomplishment that is responsive to the RFP. Personnel should be included in the WBS where they perform their work.
140.	Section I.1 Clauses Incorporated by Reference	Construction Work Only Clauses	I-7 and I-8	We assume the set of clause in the RFP that are identified as applicable to "Construction work only" are intended to apply only to the construction work activities under the ID/IQ Task Orders that are issued and negotiated as firm fixed price. Please confirm that this assumption is correct.	Yes, the set of clauses that are identified as "Construction work only" apply to only the construction work. Note that per Section B.2 (e), individual Task Orders may be cost-plus-award-fee and or firm-fixed-price depending on the nature of the requirement.
141.	H.69 Unallowable Costs	Unallowable Costs	H-92 and C-10	We assume that the following requirement in FAR 52.236-7 provides for responsibility in the context of the other clauses of the contract. "*The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work.*" Thus, for example, the risk of loss provisions in FAR 52.245-1 describe the contractor's responsibility for loss of Government property as limited to very specific circumstances. Similarly, we assume that the following language in FAR 52.236-7 provides for "no additional expense" rather than at "no cost": "*The Contractor shall, without additional expense to the Government, be responsible for obtaining any necessary licenses and permits, and for complying with any Federal, State, and municipal laws, codes, and*	The unallowable costs listed in Section H.69 are examples and not all inclusive. The allowability of any costs under the contract will be determined in accordance with the applicable contract clause and FAR requirements.

				regulations applicable to the performance of the work." We believe our interpretation is consistent with FAR 52.216-7(b)(4) that provides that statements in documents incorporated into the contract regarding "performance of services or furnishing of materials at the Contractor's expense or at no cost to the Government shall be disregarded for purposes of cost-reimbursement." Please confirm that this assumption is correct.	
142.	Section C, EM.PA.0040.A008.48DR.02-1, Table C.2; and Section C, EM.PA.0020.A001.03.DR.03.02 Table C-2	Deposit/Hold-up Removal for the Process Facilities & Limited Area Islands	p. C-89 and p. C-23	Table C.2 on Deposit/Hold-up Removal has a completion date NLT 116 months after transition or 120 months. Table C-2 for completing installation of limited areas islands by March 31, 2021 or about 48 months. There appears to be a conflict with the limited area islands being completed in 48 months from contract start versus deposit removal being completed no later than about 120 months from contract start, including classified material on the first floor. Completion of the islands about 72 months prior to deposit removal would require crews to enter and exit limited areas when performing their work. Would DOE prefer the limited area island completion be revised to optimize installation with deposit removal?	The completion dates are to remain as stated in Table C.2 for completing installation of the limited area islands. DOE is aware of the requirements for entry and exit for crews after establishment of the cell floor LA islands. The Offeror is expected to plan and coordinate the work to minimize these impacts.
143.	DOE Provided Documents	FFA	n/a	The EMCBC website posted the Portsmouth Administrative Consent Order. Please provide the most recent conformed copy of the Paducah Federal Facility Agreement.	The Paducah Federal Facility Agreement is on the website in the Controlled Unclassified Information Documents titled "DOE_OR_07-1707, FFA for the PGDP". See the "Requesting Controlled Unclassified Information" option on the website for access to this document.
144.	DOE Provided Documents	C-400 Building Subsurface Groundwater Source Remediation	n/a	Please provide the technical performance evaluation report for the Phase IIa Interim Remedial Action for the Volatile Organic Compound Contamination at the C-400 Cleaning Building.	A technical performance evaluation report was not issued for Phase IIa. However, DOE did provide materials to the regulators stating the position that remedial goals for the IRA were met. The regulators subsequently approved the DOE position. The DOE-provided material and regulatory agency

					concurrence letters are provided. Their approval letters as well as the DOE position have been added to the Document Library. The two regulatory approvals are contained in "20141009 KYs Approval of the Remedial Goals Met for C-400 Phase IIa of the IRA" and "20141009 EPA's Approval of DOE's October 3, 2014 position letter, Remedial Goals Met for C-400 Phase IIa of the IRA" for Kentucky and EPA, respectively.
145.	DOE Provided Documents	Redacted Baseline and WBS	n/a	Is the redacted baseline schedule provided on the EMCBC website the latest DOE-approved incumbent contractor baseline schedule, including activity durations?	Yes, the baseline provided on the EMCBC website is the latest DOE-approved incumbent contractor baseline schedule at the time of posting.
146.	C.2/EM.PA.0040.A002.04.DR.01	Waste Operations	C-62	Is DOE aware of any waste currently in storage with no pathway for disposal?	No. All waste currently in storage has an identified disposition pathway.
147.	C.2/EM.PA.0040.A005.10.DR.01	C-400 Building Subsurface Groundwater Source Remediation	C-71 and C-72	The PWS states that the Contractor "shall comply with the FFA and other applicable regulatory agreements/requirements". The PWS also requires the contractor to "complete the remediation of COC contamination throughout the C-400 complex including contamination that extends beneath the C-400 Cleaning Building." The C-400 Complex contains SWMUs that according to the 2015 SMP are to be addressed in other Operable Units (GDP D&D OU, Soils and Slabs OU). Therefore we assume that the SWMUs assigned to other OUs in the 2015 SMP will be addressed in those OUs. Is this correct?	No, the RI/FS for the C-400 Complex is to address all media necessary to achieve final remediation for the area. All SWMUs within the C-400 Complex are to be addressed under this work scope.
148.	C.2/EM.PA.0040.A008.48.DR.01.06, EM.PA.0040.A008.48.DR.02.06	Convertors/ compressors	C-86 and C-92	The two PWS sections indicate that the scope is only for convertors/compressors stored outside of the process facilities. Assumption 18 of Attachment L-9 provides an approximate number and breakout by size but does not provide the number that are stored outside of the process facilities at C-745-X and Y. Please provide the number and size breakout for those items stored at the two outside storage pads.	Below is the breakout of loose convertors and compressors stored outside. **C-745-X** / **C-745-Y** / **C-745-T** 000 convertor: 17 / 0 / 0 000 comp: 10 / 43 / 0 00 conv: 0 / 6 / 0 00 comp: 0 / 19 / 2
149.	C.2/EM.PA.0040.A008.48.DR.04	C-746-Q1 Cold Trap Disposition	C-95	The referenced task requires the contractor to "complete disposition of all 22 cold traps." Please provide any definitive characterization and/or sampling data that exist for these cold traps.	No sample data has been obtained to provide as to the characterization of the material in the traps. Volume of UF6 was estimated based on weight

					measures.
150.	C.2/EM.PA.0040.A008.48.DR.04	C-746-Q1 Cold Trap Disposition	C-95	Please provide information on the physical makeup of the cold traps, including dimensions, weight, configuration, and composition, to support an accurate response to this requirement.	Drawings for cold traps were added to the Document Library on the website. Section C was revised to add a reference to the drawings.
151.	C.2/EM.PA.0040.A008.48.DR.06	R-114 Freon	C-98	It may be necessary to perform sampling and analysis of the R-114 Freon in order for the Freon Disposition Subcontractor to accept the R-114 for off-site shipment. Is this cost included in the $3.2M annual subcontractor cost provided in Attachment L-9?	The $3.2M annual cost provided in Attachment L-9 is for the disposition subcontract only.
152.	Pre-solicitation Site Tour Q&A	PWS – Plant Shift Superintendent (PSS)/C-300 Ops	Questions #50 and #51	Per the Q&As for the Site Tour, Questions 50 & 51 describe that the PSS is manned 24/7 and also provides minimum staffing. The PWS in the final RFP does not provide a description of requirements for the PSS. Please clarify the expected scope for the PSS/Central Control Building (C-300) or what assumption the Offeror should make regarding off shift requirements.	The Offeror should propose a technical approach that is compliant with the site safety basis.
153.	Q&A 1 released August 10, 2016	Radios	Question #24	In the answer to question #24, the Government indicated that specifications for current plant radio equipment would be added as an assumption in L-9. Please provide this assumption.	Radios should be compatible with an 800 MHz EDACS trunking radio system. Operating frequencies are between 810MHz and 861MHz. This information will be added to Section C in EM.PA.0040.A001.07.DR.21 Information Services and Communications.
154.	Q&A 2 released August 19, 2016	Page numbering	Question #103	The answer to Question 103 reads, Section L.10.f.8 will be revised to state, "*Pages shall be numbered sequentially by volume (except for Volumes I and III) and by individual sections within each volume*". Are we correct in assuming that the document shall be numbered 1-1, 1-2 … 1-60 for Factor 1 and 2-1, 2-2, 2-3…. 2-15 for Factor 2 in Volume II? In other words, each page should have only one page number per page not two (a section page number and a sequential volume page number).	Yes, the Offeror shall follow all instructions in Section L.10.
155.	C.2	EM.PA.0040.A005.10.DR C-400 BUILDING SUBSURFACE GROUNDWATER SOURCE	C-71 - 72	Is the equipment of the Phase IIa treatment system available as GFE?	The Offerors should not assume that any remaining Phase IIa treatment system components on site are available and/or are operational.

		REMEDIATION			
156.	C.2	Work to Be Accomplished	C-12 and p. C-15	C.2 Work to Be Accomplished p. C-12 and p. C-15 are inconsistent. Page C.12 says that "the Contractor shall provide a written declaration to DOE of its formal acceptance of responsibility for the assigned scope, facilities, and environmental/regulatory conditions" without allowing for exceptions. The Environmental Review section on page 15 says that after a comprehensive environmental review the contractor certifies the results of the review including declarative statement "of acceptance of site environmental, waste, and permit conditions, with noted exceptions." **Q:** We need clarification that the requirement on p. 12 allows for exceptions to be noted.	The declaration referred to in EM.PA.0040.A001.06.DR.02 Implementation is expected within 120 days after NTP. It comes after the comprehensive environmental compliance due diligence review (within 60 days after NTP) and the material difference review (within 60 days after NTP). The Contractor has an opportunity to document exceptions resulting from these two reviews during transition. The expectation is that the Contractor will formally accept responsibility after completing transition activities. The Operational Responsibility Acceptance Declaration listed in Table C.2.EM.PA.0040.A001.06.DR.01-1 should be shown in the milestone table in section EM.PA.0040.A001.06.DR.02 Implementation. Section C will be revised to correct this.
157.	H.62	Subcontracted Work	H-81	H.62 requires that 30% of Total Estimated Cost of the contract and the maximum value under the IDIQ CLINS ($12M) be subcontracted. If DOE issues no ID/IQ task orders then the actual percentage increases. **Q:** We need clarification that the subcontracting plan may be based on including the maximum ID/IQ amount but that the contractor will be evaluated based upon. Also it is unclear whether the options are included in determining Total Estimated Cost, even if the options are not exercised. We need clarification on this.	Section H.62 will be revised to reflect exclusion of the contract fee AND maximum IDIQ ceiling value. Per Section B.2 (c) (1) the "Estimated Cost for each CLIN is defined as the cost to perform the CLIN agreed to by the parties. The exception is the IDIQ CLINs, for which the amount shown in Table B.2-2 reflects the maximum quantity of supplies or services the Government will acquire under the IDIQ CLINs (inclusive of any fee or profit)." Therefore, the Option CLINs are part of the estimated cost.
158.	H.5	DOE-H-2001 Employee Compensation: Pay and Benef1ts (JAN 2016)	H-9	H.5, section (D)(3)(ii) referenced Appendix A of the contract but there is no Appendix A.	Appendix A would be negotiated with DOE after contract award if it is needed for Advanced Understanding of Personnel Costs.
159.	Attachment L-9, Item #11	Natural Gas	L-57	The referenced assumption states: "Offeror shall assume the following estimated site utility current usage. Natural Gas: Projected	The estimated annual usage is 250,000,000 cubic feet. The assumption in L-9 will be revised for clarification.

				Overall Plant Annual Requirements: 250,000 million cubic feet”. As written, this is 250 billion cubic feet of Natural Gas used per year. The U.S. Energy Information Administration (EIA) published industrial price (percentage of total) for Kentucky is $3.21 per thousand cubic feet (latest published number for May 2016). This equates to approximately $800M per year in Natural Gas consumption, which on its own greatly exceeds the annual funding limit. Please confirm the correct annual volume per year for the Offeror to assume.	