

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 0177	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY Idaho Operations Office Idaho Operations U.S. Department of Energy Idaho Operations Idaho Falls ID 89415	CODE 892432	7. ADMINISTERED BY (If other than Item 6) Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue MS 1221 Idaho Falls ID 83415	CODE 00701	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) FLUOR IDAHO, LLC Attn: AMANDA JORDAN 1070 RIVERWALK DRIVE, SUITE 201 IDAHO FALLS ID 83402		(x) 9A. AMENDMENT OF SOLICITATION NO.		
CODE 968795604		FACILITY CODE	9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0004083		
		10B. DATED (SEE ITEM 13) 02/04/2016		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Section I.100, FAR 52.243-2 Changes - Cost Reimbursement (AUG 1987) Alternate II and III (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 968795604

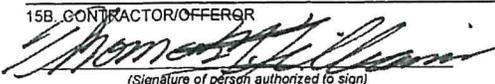
The purpose of this modification is to definitize the equitable adjustment under CLIN-1 for cleanup of the West Storage Area at RWMC and for Information Management and Technology scope. Please refer to the continuation pages incorporated as part of this modification. The Contractor is directed to continue operations in accordance with contract Section B.2.

Payment:

OR for Idaho
U.S. Department of Energy
Oak Ridge Financial Service Center
P.O. Box 6017
Oak Ridge TN 37831

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Thomas M. Williams Director, Prime Contracts	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jennifer K. Cate
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 3/10/20
16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 3/10/20

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CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-EM0004083/0177

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NAME OF OFFEROR OR CONTRACTOR
FLUOR IDAHO, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00001	<p>FOB: Destination Period of Performance: 06/01/2016 to 05/31/2021</p> <p>Change Item 00001 to read as follows (amount shown is the total amount):</p> <p>Target ICP-Core DOE Mission Work 1,924,554,759.00</p> <p>Line item value is: \$1,924,554,759.00 Incrementally Funded Amount: \$1,616,523,755.91</p> <p>This modification increases the Total Contract Value (including Options) by \$8,714,551 from \$2,015,430,697 to \$2,024,145,248.</p>				

This modification is being made under the authority of contract clause Section I.100, *Changes – Cost Reimbursement (AUG 1987) - Alternate II and III (APR 1984)*. This bilateral contract modification definitizes the equitable adjustments under CLIN-1 for the cleanup of the West Storage Area at RWMC, added to Section C.4.3 of the contract, and for the Information Management and Technology scope, added to Section C.8.1 of the contract. In addition, Section J, Attachment J-10 is revised to incorporate the FY 2020 Small Business Subcontracting Plan by reference.

The following changes are hereby made to the contract:

1. SECTION B.2 CONTRACT COST AND FEE SCHEDULE is revised as follows:

CLIN-1: Target ICP Core DOE Mission Work Scope (Base) is revised to incorporate the change stated above.

The Direct Target Cost is increased by \$257,359 from \$909,648,140 to \$909,905,499.

The Indirect Target Cost (POH) is increased by \$7,458,047 from \$316,735,779 to \$324,193,826.

The Total Target Cost is increased by \$7,715,406 from \$1,226,383,919 to \$1,234,099,325.

The Cost Incentive (Target) is increased by \$381,913 from \$28,138,317 to \$28,520,230.

The Cost Incentive (Maximum) is increased by \$849,145 from \$71,295,653 to \$72,144,798.

Schedule Milestone-14 is added under CLIN-1:

December 31, 2020 (*early date*) \$150,000 – March 31, 2021 (*min fee date*) \$50,000

The overall CLIN-1 Max Fee, including milestones and performance fee, is increased by \$999,145 from \$145,734,515 to \$146,733,660.

Summary:

The Total Contract Value, including options, is increased by \$8,714,551 from \$2,015,430,697 to \$2,024,145,248.

The attached B.2(c) Fee Model has been updated to reflect the adjustment to CLIN-1.

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B.2(c) Table				
<u>CLIN 00001 - TARGET ICP-CORE DOE MISSION WORK (BASE)</u>				
	Target Cost	Max Fee	Target Fee	Total Price
Direct Target Cost w/ ID Spt (No Options Included)	909,905,499	146,733,660		1,380,832,985
Indirect Target Cost w/o ID Spt (Total Pool, PWS C.8)	324,193,826			
	1,234,099,325			
Target Fee			61,087,917	
Subtotal Milestone-Schedule & Performance Fee (B.3(d))		74,588,862		
Subtotal Incremental Cost Incentive Fee		72,144,798		
Cost Incentive Breakout				
Cost Incentive (Max)		72,144,798		12.95%
Cost Incentive (Target)			28,520,229	4.95%
<u>CLIN 00002 - TARGET ICP CORE NNPP PPF WORK SCOPE</u>				
	Target Cost	Max Fee	Target Fee	Total Price
Navy (Pieces, Parts and Fines - 102 Cans)	42,367,181	5,382,479	2,503,195	47,749,660
Milestone-Schedule & Performance		3,970,091	1,963,325	
Cost Incentive (Max)		1,412,388	539,870	
<u>CLIN 00003 - NON-TARGET ICP CORE WORK SCOPE</u>				
	Estimated Cost	Fee		Total Price
Total Non-Target Work Scope (See Contracting Officer for Breakout)	56,784,084	2,937,333		59,721,417
<u>CLIN 00004- CONTRACT TRANSITION PERIOD</u>				
Transition	6,811,889	0		6,811,889
<u>CLIN 00005 - DEFINED BENEFIT PENSION PLAN COSTS</u>				
Pension	125,000,000	0		125,000,000
<u>CLIN 00006 INTEGRATED WASTE TREATMENT UNIT (IWTU) OPERATIONS AND TURNOVER</u>				
	Estimated Cost	Max Fee	Fee Gal	Total Price
IWTU Ops (C.6.1) (Definitized by Modification 152)	0	-	\$ 6.53	\$ -
	Estimated Cost	Fee		
IWTU Phase 1 - Process Assessment (C.6.1.1) (Fixed Fee)	19,331,848.00	956,926.00		20,288,774.00
IWTU Phase 2 - Technical Issue Resolution (C.6.1.2) (Milestone Fee)	90,364,264.00	5,523,919.00		95,888,183.00
IWTU Phase 3/4 - Startup of Radiological Operations (C.6.1.10) (Fixed/Milestone Fee)	167,391,405.00	20,870,446.35		188,261,851.35
Total (Excluding C.6.1 IWTU Ops)	277,087,517.00	27,351,291.35		304,438,808.35
<u>Total Contract Cost (Excluding Options)</u>				
	Contract Cost	Max Fee	Target Fee	Total Price
	1,742,149,996	182,404,763	63,591,112	1,924,554,759
<u>Total Contract Cost (Includes Options)</u>				
	Target Cost	Max Fee	Target Fee	Total Price
00001a - GrndWtr Monitoring Wells / CFA Landfill	773,962	100,228	38,311	874,190
00001b - GrdWtr Monitoring Wells/TAN Rem	676,966	87,667	33,510	764,633
00001c - Legacy Excess Radioactive/Haz Materials	24,747,535	3,204,806	1,225,003	27,952,341
00001d - RCRA Closure of AMWTP Facilities	30,476,158	3,946,662	1,508,570	34,422,820
00001e - Additional Temporary Storage	6,548,465	848,026	324,149	7,396,491
00001f - RH TRU Lot 11 Option Work (Definitized by Modification 050)	-	-	-	-
00001g - RH TRU Lot 12 Option Work	12,341,796	1,598,263	610,919	13,940,059
00001h - RH TRU Lot 11 GFY 2020 Option Work (Definitized by Modification 142)	-	-	-	-
00001i - RH TRU Lot 11 GFY 2021 Option Work	12,607,309	1,632,647	624,062	14,239,956
Total Options	88,172,191	11,418,299	4,364,524	99,590,490
Total Contract Cost (Includes Options) and Max Fee	1,830,322,187	193,823,062	67,955,635	2,024,145,248
<u>Contract Performance Ceiling (B.6)</u>				
Contract Performance Ceiling	1,492,178,617			
NOTE: Fixed Fee values from CLIN-3 and CLIN-6 are included in the max fee value for the total contract cost and total contract cost including options.				

No other changes to Section B.2(c).

2. SECTION B.3(d) Schedule Milestones, Annual Milestones and Performance Incentive Fee for CLIN 00001 is revised to include the new Schedule Milestone (SM)-14:

Schedule Milestones (CLIN-1)		Early Date	Min Fee Date	Max Fee Amount	Min Fee Amount
SM-1 Complete the Final Design Document for the SDA Cap		12/31/2019	4/30/2020	\$ 876,093	0
SM-2 Complete CH-TRU Retrieval in TSA-RE		5/31/2017	8/31/2017	\$ 1,971,210	0
SM-3 Complete treatment of RH-TRU Lots 1-9		8/31/2016	9/30/2016	\$ 2,190,234	0
SM-4 Complete RCRA Closure on INTEC Tank Farm Facility		8/1/2017	1/15/2018	\$ -	0
SM-5 Complete 1648 EBR II Bottle Placements		N/A	5/31/2021	\$ 3,840,000	0
SM-6 Complete Placement of 952 ATR Elements		N/A	5/31/2021	\$ 2,190,234	0
SM-8 Complete Treatment of ISA Debris Waste + Rework		6/30/2019	9/1/2019	\$ 4,500,000	0
SM-9 Complete Treatment of ISA Non-Debris Waste		7/31/2020	10/1/2020	\$ 3,500,000	0
SM-10 Complete Treatment of ISA Non-Debris Rework		N/A	5/1/2021	\$ 1,000,000	0
SM-11 Complete Certification of ISA Waste Streams 1-10 in FY 2019		N/A	10/1/2019	\$ 350,000	0
SM-12 Complete Certification of ISA Waste Streams 1-20 in FY 2020		N/A	10/1/2020	\$ 475,000	0
SM-13 Complete Certification of ISA Waste Streams 1-31 in FY 2021		N/A	6/1/2021	\$ 600,000	0
SM-14 Complete Upgrade of IT - PCs and Licensing		12/31/2020	3/31/2021	\$ 150,000	0
Mod 145 - Peach Bottom Milestone #1 - Inspection Reports			9/30/2020	\$ 195,801	0
Mod 145 - Peach Bottom Milestone #2 - Transfer 5 Low Risk Vaults			12/20/2020	\$ 195,801	0
Mod 145 - Peach Bottom Milestone #3 - Conceptual Design			1/31/2021	\$ 195,801	0
Subtotal Schedule Milestones				\$ 22,230,174	0
Annual Milestones				Max Fee Amount	Target Fee Amount
AM-1 CH Meters3 Ready to be shipped	Total Contract Fee			\$ 13,377,945	\$ 5,113,577
Total Amount of cubic meters of ISA (CH-TRU and MLLW to be certified and shipped)					10,300
			Treatment	Certification	Shipping
Fee Per Unit		\$ 1,428.97	\$ 476.32	\$ 476.32	
CED-12/31/2018 Fee Paid	\$ 5,399,291.74				
AM-2 Acres Exhumed (measured by acre)				\$ 14,893,589	\$ 5,692,916
Total acreage to be exhumed					1.55
Fee per unit at associated Annual Quantity (fee Step/Total Acres)	\$ 6,726,137	\$ 2,570,994	\$ 2,337,267	\$ 1,298,482	
Annual Quantity (Acres)	> than .50	.40 - .49	.25 - .39		0.0 - .24
AM-3 MLLW and LLW Disposition		\$ 2,628,280			
AM-4 CH TRU Waste Certified Backlog		\$ 1,400,000			
Subtotal Annual Milestones				\$ 32,299,814	
Performance Incentive			No Sliding Scale		
P-1 Process and ship all CH/RH TRU out of Idaho	12/31/2018	\$ 11,389,215			
P-2 Complete Exhumation of all buried waste and Phase I report	8/31/2020	\$ 7,608,603			
P-3 Critical Failures	N/A	\$ 8,760,935			
P-4 RH TRU Waste Disposition (Base Fee = \$1,958,005; Option 1 Fee = \$1,731,331)		\$ 3,689,336			
Subtotal Performance Incentive				\$ 20,058,874	
Total Milestone/Performance Fees				\$ 74,588,862	

3. SECTION B.3(e) ICP-Core CLIN 00001 Schedule Milestones, Annual Milestones, Performance Incentives Acceptance Criteria and Definitions, paragraph xiv is revised to include the acceptance criteria for SM-14. The paragraph numbering (i. through xxii.) is adjusted to add this new SM at xiv.

xiv. SM-14 Complete the Replacement/Upgrade of Existing Information Technology Equipment (per Section C.8.1.03). Completion of this SM will be DOE-ID validation that the appropriate personal computers (estimated at 1,899), including monitors and phones (VOIP), have been replaced, installed, and all items identified in the Contractor’s property system and assigned. An inventory sample will be selected from the property system and verified for completion of installation, including physical verification. DOE-ID may also assess the Active Directory IT system to validate completion of this scope. Total fee available for this SM is \$150,000 if the work is completed by December 31, 2020, and \$50,000 if the work is completed by March 31, 2021. No fee is available for this scope after March 31, 2021.

Exclusions: None.

4. SECTION B.6(a)(2) CONTRACT PERFORMANCE CEILING is revised as follows:

The current Contract Performance Ceiling (CPC) is increased by \$8,714,551 from \$1,483,464,066 to \$1,492,178,617.

No other changes to Section B.

5. SECTION C.4.3.01 Idaho CERCLA Disposal Facility (ICDF), is revised to add the following scope:

The Contractor shall complete the necessary characterization, treatment and disposal of all materials in seven (7) waste container types located in the West Storage Area at RWMC based on completion of the final West Storage Area (RWMC) Report that will include evaluation and preferred treatment and disposal recommendations on all materials in the waste container types located in the West Storage Area. Three (3) of the seven (7) waste container types have been assessed under the current draft report "West Storage Area Report". Section 2 of the report states that "This report is limited to items 2, 4 and 5 as directed by Waste Generator Services (WGS) Management." Items 1, 3, 6 and 7 (from the below list) are not addressed in the Waste Storage Area Draft Report. Therefore, the report must be completed to address the additional four (4) waste types along with preferred treatment and/or disposal actions.

1. One empty cargo container
2. Section 5.0 - twenty-two 5-gallon buckets containing soil
3. Two 20-foot corrugated metal storm water pipes
4. Section 6.0 - twenty-seven 55-gallon "Empty" stainless steel drums
5. Section 7.0 - sixteen 85-gallon containers
6. Four concrete storage vaults
7. One electrical control panel

The CLIN-1 direct costs are increased by \$257,359. Indirect target costs are increased by \$46,325. The corresponding CLIN-1 target fee is increased by \$15,032 and the CLIN-1 max fee is increased by \$39,327.

No other changes to Section C.4.3.

6. SECTION C.8.1.03 Replacement/Upgrade of Existing Information Technology Equipment is added as follows:

The Contractor shall upgrade the ICP Core existing Information Technology (IT) equipment. This change specifically involves replacing/upgrading existing computers (desktops/laptops) and necessary Microsoft software licensing to support the hardware.

The Contractor shall estimate a plan to replace the computers that will be greater than three (3) years of age (and of life) at contract completion. These target systems will be replaced year over year at an agreed upon rate until contract end. This plan will support continuing

DOE EM mission needs as well as support the DOE EM-HQ FY19-22 information technology strategic plan.

The CLIN-1 direct costs are unchanged. Indirect target costs are increased by \$7,411,722. The corresponding CLIN-1 target fee is increased by \$366,880 and the CLIN-1 max fee is increased by \$959,818 (cost incentive of \$809,818 and Schedule Milestone 14 of \$150,000).

No other changes to Section C.8.1.03.

7. **SECTION J, Attachment J-10 Contractor's Small Business Subcontracting Plan** (dated December 24, 2019) replaces the previous Small Business Subcontracting Plan and is incorporated by reference.
8. **CONTRACTOR'S STATEMENT OF RELEASE:** In consideration of the modification agreed to herein as a complete equitable adjustment for the directed changed identified in this modification, and in accordance with contract Section I.100 52.243-2 Changes—Cost Reimbursement Alt II and III, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment.

The total price of the equitable adjustment for CLIN-1 is \$8,714,551.

No other changes to the contract terms and conditions.