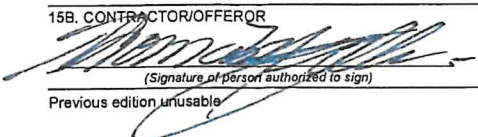
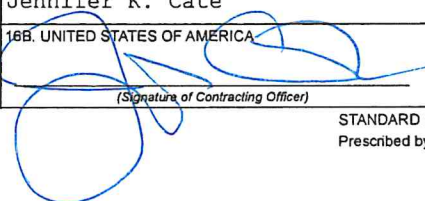


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 0148		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY Idaho Operations Office Idaho Operations U.S. Department of Energy Idaho Operations Idaho Falls ID 89415		CODE 892432		5. PROJECT NO. (If applicable) 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.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0004083	
CODE 968795604		FACILITY CODE		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, 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 <u>1</u> 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 incorporate scope specific to CLIN-1. Please refer to the continuation pages attached to 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 FOB: Destination 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 10/21/19		16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	
				16C. DATE SIGNED 10.2.19	
Previous edition unusable		STANDARD FORM 30 (REV. 11/2016) Prescribed by GSA FAR (48 CFR) 53.243			

NAME OF OFFEROR OR CONTRACTOR
 FLUOR IDAHO, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00001	Period of Performance: 06/01/2016 to 05/31/2021				
	Change Item 00001 to read as follows (amount shown is the total amount):				
	Target ICP-Core DOE Mission Work				
	Line item value is: \$1,784,615,395.00				1,784,615,395.00
	Incrementally Funded Amount: \$1,455,011,254.18				
	The Total Contract Value (Including Options) is increased by \$1,428,003 from \$1,904,350,287 to \$1,905,778,290.				

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 revises CLIN-1 scope to continue Central Characterization Program (CCP) staffing services to support remote handled transuranic (RH TRU) characterization and certification through FY 2020.

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 \$1,071,423 from \$884,501,843 to \$885,573,266.

The Indirect Target Cost (POH) is increased by \$192,856 from \$299,387,799 to \$299,580,655.

The Total Target Cost is increased by \$1,264,279 from \$1,183,889,642 to \$1,185,153,921.

The Cost Incentive (Target) is increased by \$62,582 from \$26,189,406 to \$26,251,988.

The Cost Incentive (Maximum) is increased by \$163,724 from \$70,247,053 to \$70,410,777. The overall CLIN-1 Max Fee, including milestones and performance fee, is correspondingly increased by \$163,724 from \$144,098,512 to \$144,262,236.

Summary:

The Total Contract Value, including options, is increased by \$1,428,003 from \$1,904,350,287 to \$1,905,778,290.

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

[Next Page]

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)	885,573,266	144,262,236		1,329,416,157
Indirect Target Cost w/o ID Spt (Total Pool, PWS C.8)	299,580,655			
	1,185,153,921			
Target Fee			58,665,119	
Subtotal Milestone-Schedule & Performance Fee (B.3(d))		73,851,459		
Subtotal Incremental Cost Incentive Fee		70,410,777		
Cost Incentive Breakout				
Cost Incentive (Max)		70,410,777		12.95%
Cost Incentive (Target)			26,251,988	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)	39,401,060	2,142,869		41,543,929
<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)	44,307,931	5,538,491	\$ 6.53	\$ 49,846,422
	Estimated Cost	Fee		
IWTU Phase 1 - Process Assessment (C.6.1.1) (Fixed Fee)	19,331,848	956,926		\$ 20,288,774
IWTU Phase 2 - Technical Issue Resolution (C.6.1.2) (Milestone Fee)	90,364,264	5,523,919		\$ 95,888,183
IWTU Phase 3/4 - Startup of Radiological Operations (C.6.1.10) (Fixed/Milestone Fee)	60,766,277	7,304,106		68,070,383
Total (Excluding C.6.1 IWTU Ops)	\$ 170,462,389	\$ 13,784,951		\$ 184,247,340
<u>Total Contract Cost (Excluding Options)</u>				
	Contract Cost	Max Fee	Target Fee	Total Price
	1,613,504,371	171,111,026	61,168,314	1,784,615,397
<u>Total Contract Cost (Includes Options)</u>				
	Target Cost	Max Fee	Target Fee	Total Price
Priced Options				
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 048)	-	-	-	-
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	19,099,074	2,473,330	945,404	21,572,404
00001i - RH TRU Lot 11 GFY 2021 Option Work	12,607,309	1,632,647	624,062	14,239,956
Total Options	107,271,265	13,891,629	5,309,928	121,162,894
Total Contract Cost (Includes Options) and Max Fee	1,720,775,636	185,002,655	66,478,242	1,905,778,290
<u>Contract Performance Ceiling (B.6)</u>				
Contract Performance Ceiling	1,423,378,766			
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.6(a)(2) CONTRACT PERFORMANCE CEILING is revised as follows:

The current Contract Performance Ceiling (CPC) is increased by \$1,428,003 from \$1,421,950,763 to \$1,423,378,766.

3. ATTACHMENT A - POH TRACKING TOOL has been updated to include the changes as a result of this modification and is incorporated as part of this modification.

4. SECTION C.5.3.02 RH-TRU Characterization and Certification is revised as follows:

The RH-TRU waste shall be treated and characterized in accordance with the WIPP WAC requirements. The Contractor shall utilize the services of the DOE CBFO CCP contractor for continued characterization of RH-TRU waste with existing approved programmatic documents in accordance with the WIPP WAC. The Contractor shall support the development of the waste certification data packages to show compliance with the WIPP WAC, support the defense of the data packages and support negotiations with the State of New Mexico and the Environmental Protection Agency. The program shall be fully functional to resume RH TRU waste certification activities by January 1, 2020 and support recertification audit performed by the CBFO, the state of New Mexico, and the EPA tentatively planned in August 2020. Costs for the services of DOE CBFO CCP shall be included in the Contractor's target cost through September 30, ~~2019~~2020.

The Contractor shall perform characterization under the DOE CBFO CCP program. Characterization may include, but is not limited to, radiological or radiographical examination, visual examination, dose-to-curie, ~~head-space gas analysis, and/or~~ flammability analysis, wattage determinations, reviewing characterization and treatment data to ensure the waste meets all disposal requirements, or any other methodology acceptable to DOE. This scope shall also include performing proficiency demonstration of the 72-B cask.

No other changes to Section C.5.3.02.

5. 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 under CLIN-1 is \$1,428,003.

No other changes to the contract terms and conditions.

Summary Through Mod - 148					
Direct Cost Change			Total Direct Cost		POH Change
					Total POH
Intitial CLINS 1,2,3,4,6		\$	975,624,953		\$ 290,675,615
CLIN00001	\$	124,907,816	\$	1,100,532,769	\$ 8,905,040 \$ 299,580,655
CLIN00002	\$	(18,791,157)	\$	1,081,741,612	
CLIN00003	\$	26,874,559	\$	1,108,616,171	
CLIN00004	\$	1,056,927	\$	1,109,673,098	
CLIN00006	\$	170,331,321	\$	1,280,004,419	
Less Options	\$	(91,080,703)	\$	1,188,923,716	
TOTAL	\$	213,298,763	\$	1,188,923,716	\$ 8,905,040 \$ 299,580,655

CLIN00001					
Mod	Work scope description	Direct Cost Change		Total Direct Cost	POH Change
					Total POH
Initial CLIN 00001 + Priced Options			\$	851,746,153	Initial \$ 290,675,615
010	Calcine Disposition Project	\$	442,956	\$ 852,189,109	\$ - \$ 290,675,615
014	Inf Upgrade Project	\$	2,991,701	\$ 855,180,810	\$ - \$ 290,675,615
020	ICDF,CCP&MFA	\$	8,842,414	\$ 864,023,224	\$ - \$ 290,675,615
022	MFC D&D	\$	480,355	\$ 864,503,579	\$ - \$ 290,675,615
023	Material Diff	\$	(10,541,000)	\$ 853,962,579	\$ - \$ 290,675,615
025	Direct/Ind true up	\$	(3,824,905)	\$ 850,137,674	\$ 3,824,905 \$ 294,500,520
027	Calcine Disposition Project	\$	4,722,370	\$ 854,860,044	\$ - \$ 294,500,520
028	Tank Farm Cap	\$	1,799,652	\$ 856,659,696	\$ - \$ 294,500,520
032	Navy Replan Adj	\$	5,765,761	\$ 862,425,457	\$ - \$ 294,500,520
040	TAN well	\$	655,618	\$ 863,081,075	\$ - \$ 294,500,520
046	G&A Adj, Guard	\$	314,400	\$ 863,395,475	\$ 224,000 \$ 294,724,520
050	RH TRU	\$	21,559,824	\$ 884,955,299	\$ - \$ 294,724,520
056	NNPP Adujstment	\$	13,875,628	\$ 898,830,927	\$ - \$ 294,724,520
059	Mandatory Srv	\$	-	\$ 898,830,927	\$ (34,859,143) \$ 259,865,377
078	Radios	\$	786,088	\$ 899,617,015	\$ - \$ 259,865,377
080	LWFC	\$	(71,392,824)	\$ 828,224,191	\$ - \$ 259,865,377
081	SNF Replan	\$	1,610,172	\$ 829,834,363	\$ - \$ 259,865,377
088	Nitric Acid	\$	1,202,447	\$ 831,036,810	\$ - \$ 259,865,377
089	Batch Plant	\$	55,000	\$ 831,091,810	\$ - \$ 259,865,377
092	UST	\$	312,539	\$ 831,404,349	\$ - \$ 259,865,377
104	EBR II D&D	\$	(4,779,913)	\$ 826,624,436	\$ - \$ 259,865,377
108	AMWTP Roofs 676 & 678	\$	810,298	\$ 827,434,734	\$ - \$ 259,865,377
109	INL Proprietary Alarm System	\$	-	\$ 827,434,734	\$ 42,643 \$ 259,908,020
110	CPP-2707 Security REA	\$	173,050	\$ 827,607,784	\$ 110,056 \$ 260,018,076
111	MTR Canister	\$	(693,220)	\$ 826,914,564	\$ - \$ 260,018,076
112	EBR II D&D adjustment	\$	1,000,000	\$ 827,914,564	\$ 431,500 \$ 260,449,576
115	AMWTP Future Mission, FSV Biennial Exercise (actual costs)	\$	77,987	\$ 827,992,551	\$ - \$ 260,449,576
116	Emergency Management (shift to indirect)	\$	(22,302)	\$ 827,970,249	\$ 22,302 \$ 260,471,878
118	10 CFR 851	\$	-	\$ 827,970,249	\$ 715,000 \$ 261,186,878
121	CPP-749 Gas Sampling	\$	93,000	\$ 828,063,249	\$ - \$ 261,186,878
122	Utility Tunnel Repairs, Demob from EBRII D&D	\$	2,231,872	\$ 830,295,121	\$ - \$ 261,186,878
124	CH TRU Waste Settlement	\$	115,300,000	\$ 945,595,121	\$ 18,915,899 \$ 280,102,777
125	IT Support for STI at WCB, FSV Travel Actuals	\$	93,496	\$ 945,688,617	\$ 16,829 \$ 280,119,606
126	Continue CCP Staffing; Discontinue Fab and Testing of Shielded Container for Lot 9B	\$	139,396	\$ 945,828,013	\$ (838,051) \$ 279,281,555
	IWTU Indirects - DMR Aging Coupons, Hazen/Lab Support, Canister Decon Conceptual Design, Product Sampling,				
128	Remove/Clean Uncoated Elements on PGF.	\$	-	\$ 945,828,013	\$ 3,049,983 \$ 282,331,538
129	INTEC ECS wireless communication	\$	197,047	\$ 946,025,060	\$ 35,468 \$ 282,367,006
	IWTU Phase 3/4 Facility Mods, Confirmatory Demonstration				
131	Run, System Perf Tests, Start Rad Ops			\$ 946,025,060	\$ 11,091,909 \$ 293,458,915
132	FY 2019 Calcine Additional Scope and IORC move			\$ 946,025,060	\$ 761,457 \$ 294,220,371
138	IT Policies	\$	61,288	\$ 946,086,348	\$ 11,032 \$ 294,231,403
140	INTEC UCS Obsolete Parts	\$	1,273,756	\$ 947,360,104	\$ 229,276 \$ 294,460,679
141	DCAA Audit - IWTU Phase 3/4 Part A	\$	-	\$ 947,360,104	\$ (153,979) \$ 294,306,700
142	RH Waste Lot 11 FY 2020 Priced Option	\$	19,099,074	\$ 966,459,178	\$ 3,437,833 \$ 297,744,534
145	INTEC Long Range Plan, U-233, 749 Transfers	\$	9,123,368	\$ 975,582,546	\$ 1,643,265 \$ 299,387,799
148	Continue CCP Staffing to support RH TRU	\$	1,071,423	\$ 976,653,969	\$ 192,856 \$ 299,580,655
CLIN 00001 Change from Initial Contract	\$	124,907,816	\$	976,653,969	\$ 8,905,040 \$ 299,580,655

CLIN00002			
Mod	Work scope description	Direct Cost Change	Total Direct Cost
		Initial	\$ 61,158,338
46	G&A Adj	\$ (138,146)	\$ 61,020,192
56	NNPP Adujstment	\$ (13,857,777)	\$ 47,162,415
126	Remove RH TRU Shipping, Decrease scope for Certification	\$ (4,795,234)	\$ 42,367,181
CLIN 00002 Change from Initial Contract	\$	(18,791,157)	\$ 42,367,181

CLIN00003			
Mod	Work scope description	Estimated Cost Change	Total Estimated Cost
		Initial	\$ 12,526,501
022	NE CPP 603 Crane	\$ 1,175,070	\$ 13,701,571
027	Fuel Inversion	\$ 678,707	\$ 14,380,278
032	Navy Replan	\$ 4,992,567	\$ 19,372,845
033	Closeout	\$ 350,001	\$ 19,722,846
036	NE CPP 603 Crane	\$ 5,449,933	\$ 25,172,779
046	G&A Adj	\$ (5,868)	\$ 25,166,911
051	Nvy Adj, Castor V/21 & USGS	\$ (203,767)	\$ 24,963,144
053	NE CPP 603 Crane	\$ (81,325)	\$ 24,881,819
056	DOE Support	\$ 29,412	\$ 24,911,231
086	Calcine	\$ 3,241,141	\$ 28,152,372
111	MTR Canister	\$ 1,087,100	\$ 29,239,472
112	Calcine Retrieval Scope Removal	\$ (122,305)	\$ 29,117,167
115	FY 2019 Calcine, SPRU data collection and estimate	\$ 6,047,697	\$ 35,164,864

Attachment A - POH Tracking Tool - Mod				
148				
132	FY 2019 Calcine Additional Scope and IORC move	\$	4,230,314	\$ 39,395,178
145	RH LLW SME Review Updated Performance Assessment	\$	5,882	\$ 39,401,060
CLIN 00003 Change from Initial Contract		\$	26,874,559	\$ 39,401,060

CLIN00004				
Mod	Work scope description	Estimated Cost Change		Total Estimated Cost
		Initial	\$	5,754,962
10	IWTU Transition	\$	1,056,927	\$ 6,811,889
CLIN 00004 Change from Initial Contract		\$	1,056,927	\$ 6,811,889

CLIN00006				
Mod	Work scope description	Estimated Cost Change		Total Estimated Cost
		Initial	\$	44,438,999
012	Phase I	\$	19,331,848	\$ 63,770,847
037	Phase II	\$	66,553,245	\$ 130,324,092
046*	G&A Adj	\$	(131,068)	\$ 130,193,024
103	DMR Redesign	\$	5,659,068	\$ 135,852,092
103	CRR Repair	\$	1,207,602	\$ 137,059,694
DMR Aging Coupons, Hazen/Lab Support, Canister Decon Conceptual Design, Product Sampling, Remove/Clean				
128	Uncoated Elements on PGF.	\$	16,944,349	\$ 154,004,043
IWTU Phase 3/4 Facility Mods, Confirmatory Demonstration				
131	Run, System Perf Tests, Start Rad Ops	\$	61,621,715	\$ 215,625,758
141	DCAA Audit - IWTU Phase 3/4 Part A	\$	(855,438)	\$ 214,770,320
CLIN 00006 Change from Initial Contract		\$	170,331,321	\$ 214,770,320