

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE OF PAGES 1 2

2. AMENDMENT/MODIFICATION NO. 0132 3. EFFECTIVE DATE See Block 16C 4. REQUISITION/PURCHASE REQ. NO. _____ 5. PROJECT NO. (If applicable) _____

6. ISSUED BY CODE 892432 7. ADMINISTERED BY (If other than Item 6) CODE 00701

Idaho Operations Office
Idaho Operations
U.S. Department of Energy
Idaho Operations
Idaho Falls ID 89415

Idaho Operations
U.S. Department of Energy
Idaho Operations
1955 Fremont Avenue
MS 1221
Idaho Falls ID 83415

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

9A. AMENDMENT OF SOLICITATION NO. _____
9B. DATED (SEE ITEM 11) _____

X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0004083
10B. DATED (SEE ITEM 13) 02/04/2016

CODE 968795604 FACILITY CODE _____

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 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 incorporate scope specific to CLIN-3 and CLIN-1 (Indirect costs). 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 CONTRACTOR ~~THOMAS G. WILKINS~~ Director, Prime Contracts 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jennifer K. Cate

15B. CONTRACTOR/OFFEROR _____ 15C. DATE SIGNED 7/17/19 16B. UNITED STATES OF AMERICA _____ 16C. DATE SIGNED 7.17.19

(Signature of person authorized to sign) _____ (Signature of Contracting Officer) _____

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-EM0004083/0132

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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</p> <p>Line item value is: \$1,741,649,846.00 Incrementally Funded Amount: \$1,397,831,665.85</p> <p>This modification increases the Total Contract Value (including options) by \$5,300,232 from \$1,857,512,509 to \$1,862,812,741. See continuation pages for further details.</p>			1,741,649,846.00	

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 adjustment for the Information Operations and Research Center (IORC) relocation (CLIN-3), the FY19 Calcine additional scope (CLIN-3), and subsequent indirect cost adjustment under CLIN-1 per modification 106, dated November 29, 2018. See the POH table attached.

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 remains unchanged at \$854,944,357

The Indirect Target Cost is increased by \$761,457 from \$293,458,915 to \$294,220,372.

The Total Target Cost is increased by \$761,457 from \$1,148,403,272 to \$1,149,164,729.

The Cost Incentive (Target) is increased by \$37,692 from \$24,507,231 to \$24,544,923.

The Cost Incentive (Maximum) is increased by \$98,608 from \$64,114,881 to \$64,213,489.
The overall CLIN-1 Max Fee, including milestones and performance fee, is increased by \$98,608 from \$136,235,009 to \$136,333,617.

CLIN-3: Non-Target work scope is revised as follows:

The estimated direct cost for this scope is increased by \$4,230,314 (\$425,238 + 3,805,076) from \$35,164,864 to \$39,395,178.

The fixed fee for this scope is increased by \$209,853 (\$21,502 + \$188,351) from \$1,932,898 to \$2,142,751.

Summary:

The Total Contract Value, including options, is increased by \$5,300,232 from \$1,857,512,509 to \$1,862,812,741.

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

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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)	854,944,357	136,333,617		1,285,498,346
Indirect Target Cost w/o ID Spt (Total Pool, PWS C.8)	294,220,372			
	1,149,164,729			
Target Fee			56,883,654	
Subtotal Milestone-Schedule & Performance Fee (B.3(d))		72,120,128		
Subtotal Incremental Cost Incentive Fee		64,213,489		
Cost Incentive Breakout				
Cost Incentive (Max)		64,213,489		12.95%
Cost Incentive (Target)			24,544,924	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)	39,395,178	2,142,751		41,537,929
<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)	61,621,715	7,406,930		69,028,645
Total (Excluding C.6.1 IWTU Ops)	\$ 171,317,827	\$ 13,887,775		\$ 185,205,602
<u>Total Contract Cost (Excluding Options)</u>				
	Contract Cost	Max Fee	Target Fee	Total Price
	1,578,364,735	163,285,113	59,386,849	1,741,649,848
<u>Total Contract Cost (Includes Options)</u>				
Priced Options	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 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	1,685,636,000	177,176,742	64,696,777	1,862,812,741
<u>Contract Performance Ceiling (B.6)</u>				
Contract Performance Ceiling	1,379,455,073			
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 B.2(c).

- SECTION B.6(a)(2) CONTRACT PERFORMANCE CEILING** is increased by \$5,090,379 from \$1,374,364,694 to \$1,379,455,073.
- THE 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.6.5.02 Calcine Retrieval Project FY19 (CLIN-3)** is revised to add the following work scope:

The Contractor shall complete the following FY19 Calcine Retrieval Project work scope by September 30, 2019:

Additional Scope:	Activity ID
CSSF Planning and Staffing	CRPA3010
Update CSSF-1 modification design	CRPA3020
Design CSSF-1 Cyclone Vault Mockup	CRPA3110
Fabricate Cyclone Vault Mockup	CRPA3120
Activate CPP-691 Elevator	CRPA4150

Based on the information above, the CLIN-3 estimated cost is increased by \$425,238 and the fixed fee is increased by \$21,502. The POH (indirect) under CLIN-1 is increased by \$76,543 and max fee is increased by \$9,912.

No other changes to Section C.6.5.02.

5. **SECTION C.8.1.03 Information Operations Research Center (IORC) Relocation** is added to reflect the following change:

The Contractor shall remove computer and network equipment from the Information Operations and Research Center and relocate the ICP Core data center to the Engineering Research Office Building by September 30, 2020. The Contractor shall work with the INL Contractor as needed to ensure a timely relocation.

Based on the information above, the CLIN-3 estimated cost is increased by \$3,805,076 and the fixed fee is increased by \$188,351. The POH (indirect) under CLIN-1 is increased by \$684,914 and max fee is increased by \$88,696.

No other changes to section C.8.1.03

6. **CONTRACTOR'S STATEMENT OF RELEASE:** In consideration of the modification agreed to herein as a complete equitable adjustment for the directed change 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 overall price of the equitable adjustment is \$5,300,232.

No other changes to the contract terms and conditions.

Summary Through Mod - 132								
	Direct Cost Change		Total Direct Cost		POH Change		Total POH	
Intitial CLINS 1,2,3,4,6								
CLIN00001	\$	94,278,907	\$	975,624,953	\$	3,544,757	\$	290,675,615
CLIN00002	\$	(18,791,157)	\$	1,069,903,860	\$	-	\$	294,220,372
CLIN00003	\$	26,868,677	\$	1,051,112,703	\$	-	\$	1,077,981,380
CLIN00004	\$	1,056,927	\$	1,077,981,380	\$	-	\$	1,079,038,307
CLIN00006	\$	171,186,759	\$	1,250,225,066	\$	-	\$	1,250,225,066
Less Options	\$	(91,080,703)	\$	1,159,144,363	\$	-	\$	1,159,144,363
TOTAL	\$	183,519,410	\$	1,159,144,363	\$	3,544,757	\$	294,220,372

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 Adjutment	\$	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, 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 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	\$ 294,220,372
CLIN 00001 Change from Initial Contract		\$	94,278,907	\$	946,025,060	\$	3,544,757	\$ 294,220,372

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 Adjutment	\$	(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
132	FY 2019 Calcine Additional Scope and IORC move	\$	4,230,314	\$ 39,395,178
CLIN 00003 Change from Initial Contract		\$	26,868,677	\$ 39,395,178

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
CLIN 00006 Change from Initial Contract		\$	171,186,759	\$ 215,625,758