

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 0240	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) Alt II & 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 unilateral change order issued for IWTU DMR Seismic Analysis in modification 217 for work scope under: Section C.6.1.10 - Integrated Waste Treatment Unit (IWTU) Phase 3/4, Facility Modifications, Confirmatory Demonstration Run, System Performance Tests, and the Startup of Radioactive Operations. See continuation pages incorporated as part of this modification. The Contractor is directed to continue operations in accordance with contract Section B.2.

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) Aaron Nebeker
15B. CONTRACTOR/OFFEROR <i>Thomas M Williams</i> (Signature of person authorized to sign)	15C. DATE SIGNED 11/19/2020
16B. UNITED STATES OF AMERICA AARON NEBEKER Digitally signed by AARON NEBEKER Date: 2020.11.19 08:02:51 -0700 (Signature of Contracting Officer)	16C. DATE SIGNED 11/19/2020

Previous edition unusable

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-EM0004083/0240

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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>Payment: OR for Idaho U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 6017 Oak Ridge TN 37831 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: \$2,070,917,074.00 Incrementally Funded Amount: \$1,930,808,497.71</p> <p>This modification increases the Total Contract Value (Including Options) by \$1,422,934 from \$2,120,421,852 to \$2,121,844,786.</p>				2,070,917,074.00

This modification is being made under the authority of contract clause Section I.100, FAR 52.243-2 *Changes – Cost Reimbursement (AUG 1987) - Alternate II and III (APR 1984)*. This modification definitizes CLIN-6 scope at *Section C.6.1.10 Integrated Waste Treatment Unit (IWTU) Phase 3/4, Facility Modifications, Confirmatory Demonstration Run, System Performance Tests, and the Startup of Radioactive Operations* as detailed below.

The indirect cost under CLIN-1 is adjusted to reflect this change per Section B.15(g).

The following changes are hereby made to the contract:

1. **SECTION B.2 (c) CONTRACT COST AND FEE SCHEDULE** is revised as follows:

CLIN-1: Target ICP Core DOE Mission Work Scope (Base)

The Direct Target Cost is unchanged at \$956,248,260.

The Indirect Target Cost is increased by \$198,041 from \$355,416,304 to \$355,614,345.

The Total Target Cost is increased by \$198,041 from \$1,311,664,564 to \$1,311,862,605.

The Cost Incentive (Target) is increased by \$9,803 from \$32,359,709 to \$32,369,512.

The Cost Incentive (Maximum) is increased by \$25,646 from \$81,046,646 to \$81,072,292.

The overall CLIN-1 Max Fee is correspondingly increased by \$25,646 from \$158,152,861 to \$158,178,507.

CLIN-6: Section C.6.1.10, Integrated Waste Treatment Unit (IWTU) Phase 3/4 Part C Facility Modifications, Confirmatory Demonstration Run, System Performance Tests, and the Startup of Radioactive Operations.

IWTU Phase 3/4 estimated cost is increased by \$1,100,227 from \$193,513,484 to \$194,613,711. Fixed fee is increased by \$99,020 from \$12,048,511 to \$12,147,531.

Summary:

The revised Total Contract Value (Includes Options) is increased by \$1,422,934 (cost and fee adjustments under CLIN-1 and CLIN-6) from \$2,120,421,852 to \$2,121,844,786.

The following B.2(c) Fee Model has been updated to reflect the adjustments to CLIN-1 and CLIN-6.

<b>B.2(c) Table</b>				
<b><u>CLIN 00001- TARGET ICP-CORE DOE MISSION WORK (BASE)</u></b>				
	Target Cost	Max Fee	Target Fee	Total Price
Direct Target Cost w/ ID Spt (No Options Included)	956,248,260	158,178,507		1,470,041,112
Indirect Target Cost w/o ID Spt (Total Pool, PWS C.8)	355,614,345			
	1,311,862,605			
Target Fee			64,937,199	
Subtotal Milestone-Schedule & Performance Fee (B.3(d))		77,106,215		
Subtotal Incremental Cost Incentive Fee		81,072,292		
Cost Incentive Breakout				
Cost Incentive (Max)		81,072,292		12.95%
Cost Incentive (Target)			32,359,709	4.95%
<b><u>CLIN 00002 - TARGET ICP CORE NNPP PPF WORK SCOPE</u></b>				
	Target Cost	Max Fee	Target Fee	Total Price
Navy (Pieces, Parts and Fines - 102 Cans)	42,567,244	5,408,387	2,513,098	47,975,631
Milestone-Schedule & Performance		3,970,091	1,963,325	
Cost Incentive (Max)		1,438,296	549,773	
<b><u>CLIN 00003 - NON-TARGET ICP CORE WORK SCOPE</u></b>				
	Estimated Cost	Fee		Total Price
Total Non-Target Work Scope (See Contracting Officer for Breakout)	58,829,070	3,091,456		61,920,526
<b><u>CLIN 00004- CONTRACT TRANSITION PERIOD</u></b>				
Transition	6,811,889	0		6,811,889
<b><u>CLIN 00005 - DEFINED BENEFIT PENSION PLAN COSTS</u></b>				
Pension	125,000,000	0		125,000,000
<b><u>CLIN 00006 INTEGRATED WASTE TREATMENT UNIT (IWTU) OPERATIONS AND TURNOVER</u></b>				
	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	956,926		20,288,774
IWTU Phase 2 - Technical Issue Resolution (C.6.1.2) (Milestone Fee)	115,785,533	5,523,919		121,309,452
IWTU Phase 3/4 - Startup of Radiological Operations (C.6.1.10) (Fixed/Milestone Fee)	194,613,711	22,955,979		217,569,690
<b>Total (Excluding C.6.1 IWTU Ops)</b>	<b>329,731,092</b>	<b>29,436,824</b>		<b>359,167,916</b>
<b><u>Total Contract Cost (Excluding Options)</u></b>				
	Contract Cost	Max Fee	Target Fee	Total Price
	1,874,801,900	196,115,174	67,450,297	2,070,917,074
<b><u>Total Contract Cost (Includes Options)</u></b>				
	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 (Definitized by Modification 207)	-	-	-	-
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 (Definitized by Modification 220)	-	-	-	-
Total Options	45,088,724	5,838,990	2,231,892	50,927,714
<b>Total Contract Cost (Includes Options) and Max Fee</b>	<b>1,919,890,624</b>	<b>201,954,163</b>	<b>69,682,189</b>	<b>2,121,844,786</b>
<b><u>Contract Performance Ceiling (B.6)</u></b>				
Contract Performance Ceiling	1,583,657,701			
<b>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.</b>				

No other changes to Section B.2.

- SECTION B.6(a)(2) CONTRACT PERFORMANCE CEILING** is increased by \$223,687 from \$1,583,434,014 to \$1,583,657,701.

3. **SECTION C.6.1.10 Integrated Waste Treatment Unit (IWTU) Phase 3/4, Facility Modifications, Confirmatory Demonstration Run, System Performance Tests, and the Startup of Radioactive Operations** is revised to incorporate the following scope:

The Contractor shall complete the scope items as detailed in CCN 326032 Cost and Schedule Estimate for the IWTU DMR Seismic Analysis, dated November 11, 2020. This scope includes:

- A. Performing a new structural analysis on IWTU's Denitration Mineralization Reformed (DMR) vessel. This analysis will require building a new model in Abaqus that analyzes the whole DMR vessel.
- B. Performing an extent of conditions on other IWTU vessels. The scope of the extent of conditions is a review of IWTU's other process vessel's original structural analysis to determine if the analysis required spacers and if the spacers were installed. This extent of conditions has been completed and only the Process Gas Filter (PGF) vessel has been identified as having the same structural issue as the DMR.
- C. Once the Abaqus model is completed and the structural analysis has identified the required repairs, an engineering design will be completed.
- D. A Work Order (WO) will be prepared, and materials procured, prior to construction performance. Once the WO and materials are ready to work, it is anticipated that these modifications will be performed after the re-insulation of the PGF and DMR following the previous Outage J modifications. This field work will require scaffolding access, existing paint removal, carbon steel plate/block water jetting and machining and field fit fabrication, spacer fit-up, welding, weld inspection, the repainting of the structure, minor repairs to the vessel insulation cladding, and removal of scaffolding. Upon completion of the field modifications and approval, the work control documents will be closed out and as-builts completed to then complete the facility change forms, design forms, and final modeling.
- E. It is assumed that the carbon steel plates will be machined and welded into each of the four I-Beam connectors on the DMR and PGF vessel lateral structural supports to perform the function of the missing mica spacers. Engineering has already determined that the thermal insulation feature of the mica is not required; however, removing most of the gap between the lateral support and the structural steel is essential.

*Based on this change, the CLIN-6 estimated cost is increased by \$1,100,227 with a corresponding fixed fee of \$99,020. In addition, per B.15(g), CLIN-1 indirect costs for POH are increased by \$198,041. The corresponding target fee is increased by \$9,803, and the max fee is increased by \$25,646.*

No other changes to Section C.6.

4. **CONTRACTOR'S STATEMENT OF RELEASE:** In consideration of the modification agreed to herein as a complete equitable adjustment for the directed change to incorporate the work scope under CLIN-6 *Section C.6.1.10 Integrated Waste Treatment Unit (IWTU) Phase 3/4, Facility Modifications, Confirmatory Demonstration Run, System Performance Tests, and the Startup of Radioactive Operations* as detailed above, 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 net price of the equitable adjustment for CLIN-1 and CLIN-6 is \$1,422,934.

No other changes to the terms and conditions.