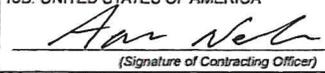


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 0145		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE Idaho Operations Office Idaho Operations U.S. Department of Energy Idaho Operations Idaho Falls ID 89415		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				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> 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 <input type="checkbox"/> is not <input checked="" type="checkbox"/> 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				
This purpose of this bilateral modification is to incorporate scope specific to CLIN-1 and CLIN-3. 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 hereon, 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 M. Williams Director, Prime Contracts		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Aaron Nebeker		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED 9-18-19	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	
			16C. DATE SIGNED 9/24/19	

Previous edition unusable

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-EM0004083/0145

PAGE OF
2 2

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>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: \$1,783,187,392.00</p> <p>Incrementally Funded Amount: \$1,473,887,651.95</p> <p>The Total Contract Value (Including Options) is increased by \$12,166,912 from \$1,892,183,375 to \$1,904,350,287. See the continuation pages incorporated into this modification for further details.</p>			1,783,187,392.00	

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 modification definitizes the equitable adjustments to increase the contract direct target cost and fee under CLIN-1 for new work scope associated with (1) INTEC Infrastructure Long Range Plan, (2) U-233 Shipment Delays, and (3) CPP-749 Generation-1 to Generation-2 Fuel Transfers. This modification also definitizes an equitable adjustment to increase the contract direct estimated cost and fixed fee under CLIN-3 for new work scope associated with DOE Office of Environmental Management support. Lastly, this modification updates Section J Attachment J-1 (List B) to include DOE O 550.1 - *Official Travel*.

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 \$9,123,368 from \$875,378,475 to \$884,501,843.

The Indirect Target Cost (POH) is increased by \$1,643,265 from \$297,744,534 to \$299,387,799.

The Total Target Cost is increased by \$10,766,633 from \$1,173,123,009 to \$1,183,889,642.

The Cost Incentive (Target) is increased by \$532,948 from \$25,656,458 to \$26,189,406.

The Cost Incentive (Maximum) is increased by \$1,394,279 from \$68,852,774 to \$70,247,053. The overall CLIN-1 Max Fee, including milestones and performance fee, is correspondingly increased by \$1,394,279 from \$142,704,233 to \$144,098,512.

CLIN-3: Non Target Work Scope is revised as follows:

The estimated cost for CLIN-3 is increased by \$5,882 from \$39,395,178 to \$39,401,060.

The fixed fee under CLIN-3 is increased by \$118 from \$2,142,751 to \$2,142,869.

Summary:

The Total Contract Value, including options, is increased by \$12,166,912 from \$1,892,183,375 to \$1,904,350,287.

The attached B.2(c) Fee Model has been updated to reflect the adjustment to CLIN-1 and CLIN-3.

[Next Page]

B.2(c) Table				
CLIN 00001- TARGET ICP-CORE DOE MISSION WORK (BASE)				
	Target Cost	Max Fee	Target Fee	Total Price
Direct Target Cost w/ ID Spt (No Options Included)	884,501,843	144,098,512		1,327,988,154
Indirect Target Cost w/o ID Spt (Total Pool, PWS C.8)	299,387,799			
	1,183,889,642			
Target Fee			58,602,537	
Subtotal Milestone-Schedule & Performance Fee (B.3(d))		73,851,459		
Subtotal Incremental Cost Incentive Fee		70,247,053		
Cost Incentive Breakout				
Cost Incentive (Max)		70,247,053		12.95%
Cost Incentive (Target)			26,189,406	4.95%
CLIN 00002 - TARGET ICP CORE NNPP PPF WORK SCOPE				
	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	
CLIN 00003 - NON-TARGET ICP CORE WORK SCOPE				
	Estimated Cost	Fee		Total Price
Total Non-Target Work Scope (See Contracting Officer for Breakout)	39,401,060	2,142,869		41,543,929
CLIN 00004- CONTRACT TRANSITION PERIOD				
Transition	6,811,889	0		6,811,889
CLIN 00005 - DEFINED BENEFIT PENSION PLAN COSTS				
Pension	125,000,000	0		125,000,000
CLIN 00006 INTEGRATED WASTE TREATMENT UNIT (IWTU) OPERATIONS AND TURNOVER				
	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
Total Contract Cost (Excluding Options)				
	Contract Cost	Max Fee	Target Fee	Total Price
	1,612,240,092	170,947,302	61,105,732	1,783,187,394
Total Contract Cost (Includes 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	1,719,511,357	184,838,931	66,415,660	1,904,350,287
Contract Performance Ceiling (B.6)				
Contract Performance Ceiling	1,421,950,763			
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 \$12,166,794 from \$1,409,783,969 to \$1,421,950,763.

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.3.2.07 INTEC Infrastructure is revised to add the following work scope:

The Contractor shall define, optimize, and project the future infrastructure needs for the INTEC campus through the year 2050. Specific items in the work scope include:

1. Alignment of INTEC mission milestones with DOE to ascertain INTEC mission future projection.
2. Definition of the required building footprint to support future INTEC mission milestones.
3. Define the core functions for each of the required buildings.
4. Develop an optimization and consolidation plan to meet required core infrastructure function for the footprint.
5. Review the material condition of each of the buildings in the optimization/consolidation plan.
6. Review each building in the optimization/consolidation plan for the minimum set of required operable systems.
7. Perform a life cycle analysis of each required system and major component contained within each building identified in the optimization plan.
8. Develop the life cycle management plan (LCMP) for all required infrastructure to identify required upgrades during the extended mission window to 2050.
9. Develop a risk informed prioritization strategy for the implementation of the LCMP activities.
10. Develop time sequenced Rough Order of Magnitude (ROM) estimates on the identified life cycle management plan activities.
11. Develop a preventative maintenance strategy to maintain required infrastructure viable for the course of the mission through 2050.
12. Develop a ROM estimate for the sustainment of the required facilities.

The CLIN-1 Direct Target Cost is increased by \$2,694,610, Indirect Target Costs are increased by \$485,030. The target fee is increased by \$157,392 and the max fee is increased by \$411,763.

No other changes to Section C.3.2.07.

5. SECTION C.5.5.01 Waste Generator Services is revised as follows:

A request for equitable adjustment (REA-2018-004) was submitted (CCN 322461) for changes in cost and schedule in U-233 Shipment delays resulting from delayed waste stream approvals by the National Nuclear Security Administration (NNSA) Nevada Field Office. DOE accepted the REA in part on September 6, 2019.

The CLIN-1 Direct Target Cost is increased by \$206,280, Indirect Target Costs are increased by \$37,130. The target fee is increased by \$12,049 and the max fee is increased by \$31,522.

No other changes to Section C.5.5.01.

6. SECTION C.7.1.06 CPP-749 Peach Bottom 1st Generation Vaults Remediation is added to the contract as follows:

The Contractor shall perform remediation activities for the CPP-749 Peach Bottom 1st Generation Vaults as follows:

1. Perform an inspection of five (5) Peach Bottom vaults identified as high risk for corrosion of the fuel package. The inspection will only include the lifting of the fuel package if the contractor determines the risk to be warranted.
2. Complete the transfer of the fuel package from five (5) Peach Bottom vaults identified as low risk for corrosion of the fuel package from 1st generation vaults to 2nd generation vaults.
3. Prepare a conceptual design for the retrieval equipment suitable to recover high risk Peach Bottom vaults for DOE review and approval.

Fee Milestones:

The following milestones and dates are associated with this work:

Milestone 1 - Complete inspection reports for five high risk Peach Bottom Vaults by 09/30/2020. Inspection will include lifting the fuel package only if Fluor determines the risk to be warranted.

Milestone 2 - Complete transfer of five low-risk Peach Bottom Vaults by 12/20/2020

Milestone 3 - Submit conceptual design for the retrieval equipment suitable to recover high risk Peach Bottom Vaults by 1/31/2021. Fee is contingent upon DOE review and approval.

Fee for this work will be calculated in the following manner:

Fee Structure	
Max available Fee	\$ 950,857
Target Fee	\$ 363,455
Milestone Fee	\$ 587,402
*Milestone fee is split between 3 milestones	

Milestone fee will be paid in full for each milestone that is completed on or before the assigned date (\$195,801/per milestone). Milestone fee is \$0 for each milestone completed beyond the milestone due date established above.

Based on this submittal and follow-on discussions, the CLIN-1 Direct Target Cost is increased by \$6,222,478, Indirect Target Costs are increased by \$1,120,046. The target fee is increased by \$363,455 and the max fee is increased by \$950,857.

No other changes to Section C.7.1.06.

7. SECTION C.8.8 DOE Office of Environmental Management Support (CLIN-3) is revised as follows:

Mod 60, dated October 31, 2017, added funding in the amount of \$6,000 for the contractor to provide a subject matter expert to support the RH-LLW disposal facility project for an internal focused review of the required DOE O 435.1, "Radioactive Waste Management," documentation. The technical expert will review the updated Performance Assessment (PA) and Composite Analysis (CA) developed for the project. This contract modification increases the estimated cost under CLIN-3.

The CLIN-3 estimated cost is increased by \$5,882. The fixed fee is increased by \$118. In addition, CLIN-1 Indirect costs are increased by \$1,059 and CLIN-1 Max fee is increased by \$137.

No other changes to Section C.8.8.

8. SECTION J ATTACHMENT J-1 – List of Applicable DOE Directives (LIST B) is revised as follows:

The following Directive has been removed:

DOE O 551.1D (Superseded by DOE O 550.1)

The following Directive has been added. Per Fluor letter CCN 324132, dated September 4, 2019, there is no cost impact for this additional DOE Order.

DOE O 550.1 – Official Travel

List B is attached with this contract modification. No other changes to Section J Attachment J-1.

9. CONTRACTOR'S STATEMENT OF RELEASE: In consideration of the modifications above associated with the Section C.3.2 INTEC Infrastructure, Section C.5.5.01 Waste Generator Services, Section C.7.1.06 CPP-749 Peach Bottom 1st Generation Vaults Remediation, and Section C.8.8 DOE Office of Environmental Management Support (CLIN-3), 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 the contract is an increase of \$12,166,912. See breakout on page 1.

No other changes to the contract terms and conditions.

Summary Through Mod - 145								
	Direct Cost Change		Total Direct Cost		POH Change		Total POH	
Intitial CLINS 1,2,3,4,6			\$	975,624,953			\$	290,675,615
CLIN00001	\$	123,836,393	\$	1,099,461,346	\$	8,712,184	\$	299,387,799
CLIN00002	\$	(18,791,157)	\$	1,080,670,189				
CLIN00003	\$	26,874,559	\$	1,107,544,748				
CLIN00004	\$	1,056,927	\$	1,108,601,675				
CLIN00006	\$	170,331,321	\$	1,278,932,996				
Less Options	\$	(91,080,703)	\$	1,187,852,293				
TOTAL	\$	212,227,340	\$	1,187,852,293	\$	8,712,184	\$	299,387,799

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 EBR II 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
128	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
131	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	\$ 294,220,371
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
CLIN 00001 Change from Initial Contract	\$	123,836,393	\$	975,582,546	\$	8,712,184	\$	299,387,799

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

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 Uncoated Elements on PGF.	\$	16,944,349	\$	154,004,043
128	IWTU Phase 3/4 Facility Mods, Confirmatory Demonstration Run, System Perf Tests, Start Rad Ops	\$	61,621,715	\$	215,625,758
131	DCAA Audit - IWTU Phase 3/4 Part A	\$	(855,438)	\$	214,770,320
141		\$		\$	
CLIN 00006 Change from Initial Contract		\$	170,331,321	\$	214,770,320