

2. AMENDMENT/MODIFICATION NO. 0168 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
 CODE 968795604 FACILITY CODE
 9A. AMENDMENT OF SOLICITATION NO. (x)
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0004083 (x)
 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 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 revise CLIN-1 direct target cost to fund RH operations for FY 2019 as agreed to by the parties. 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
 15B. CONTRACTOR/OFFEROR
 15C. DATE SIGNED 1/29/20
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Aaron Nebeker Jennifer Cate
 16B. UNITED STATES OF AMERICA
 16C. DATE SIGNED 1.29.20

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-EM0004083/0168

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>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: \$1,883,410,930.72 Incrementally Funded Amount: \$1,579,304,320.19</p> <p>This modification increases the Total Contract Value (including Options) by \$3,122,345 from \$2,002,410,576 to \$2,005,532,921.</p> | | | 1,883,410,930.72 | |

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 Direct Target Cost per DOE letter CLN190626, Subject: Request for Steady State Operations for the Remote Handled Waste Project Related to C.5.3 RH-TRU Waste Disposition, dated February 7, 2019 and clarifying CO emails dated March 14, 2019 and March 26, 2019. The following summarizes the letter and clarifying emails.

CLIN-2 scope for the Navy 102 Can Project was projected to be completed ahead of schedule and prior to the end of fiscal year 2019. As a result of this acceleration and subsequent gap, steady state operations began sooner than originally planned. DOE-ID agreed to provide up to a direct cost of \$13.5M for EM-funded RH operations for FY19 to cover this subsequent gap. The amount would cover both the current EM baseline of \$6,479,106 and the future steady state operations after the end of Navy (A.2.22) work is completed. DOE determined the target cost of the contract will be adjusted up by no more than \$7,020,106; the actual adjustment amount will be based on the lower of the actual direct costs or \$13.5M minus the baseline of \$6,479,106. No maximum or target fee adjustments will be made.

The actual costs for steady state operations were provided by the Contractor and are included with this modification.

This modification also removes retrieval and storage scope at *C.5.3.07 RH Waste LOT 11 FY 2020 Option Work* no longer required by the Department, as detailed below.

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 \$3,122,345 from \$902,246,597 to \$905,368,942.

The Indirect Target Cost (POH) is unchanged at \$315,361,282.

The Total Target Cost is increased by \$3,122,345 from \$1,217,607,879 to \$1,220,730,224.

The Cost Incentive (Target) is unchanged at \$27,858,459. The Cost Incentive (Maximum) is unchanged at \$71,150,902. The overall CLIN-1 Max Fee, including milestones and performance fee, is unchanged at \$145,002,361.

Summary:

The Total Contract Value, including options, is increased by \$3,122,345 from \$2,002,410,576 to \$2,005,532,921.

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

| 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) | 905,368,942 | 145,002,361 | | 1,365,732,585 |
| Indirect Target Cost w/o ID Spt (Total Pool, PWS C.8) | 315,361,282 | | | |
| | 1,220,730,224 | | | |
| Target Fee | | | 60,426,146 | |
| Subtotal Milestone-Schedule & Performance Fee (B.3(d)) | | 73,851,459 | | |
| Subtotal Incremental Cost Incentive Fee | | 71,150,902 | | |
| Cost Incentive Breakout | | | | |
| Cost Incentive (Max) | | 71,150,902 | | 12.95% |
| Cost Incentive (Target) | | | 27,858,459 | 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) | 53,514,133 | 2,695,357 | | 56,209,490 |
| <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 |
| | 1,725,510,944 | 180,431,488 | 62,929,341 | 1,905,942,432 |
| <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 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 | 1,813,683,135 | 191,849,787 | 67,293,865 | 2,005,532,921 |
| <u>Contract Performance Ceiling (B.6)</u> | | | | |
| Contract Performance Ceiling | 1,473,808,266 | | | |
| 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 \$3,122,345 from \$1,470,685,921 to \$1,473,808,266.

3. **SECTION C.5.3.07 RH Waste LOT 11 FY 2020 Option Work (PRICED OPTION)**, second paragraph, is revised as follows:

This scope involves the treatment and repackaging of waste that contains sodium, NaK, and/or RCRA metals. The reactive nature of this waste requires segregation and management to prevent its unintended contact with water or other materials that may cause a reaction. Activities such as hot cell cleanouts may be required prior to introduction of other waste streams into treatment areas that have processed active waste. ~~This waste shall be retrieved from below ground storage at the RSWF at MFC, or above ground as made available by the INL contractor, and transferred to INTEC by the Contractor for treatment. The storage configuration at RSWF is vertical pipes placed below grade and retrieval may require excavation of the pipes.~~

No other changes to Section C.5.3.07.

4. **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 \$3,122,345.

No other changes to the contract terms and conditions.

Summary Through Mod - 168

| | Direct Cost Change | Total Direct Cost | POH Change | Total POH |
|---------------------------------|-----------------------|-------------------------|----------------------|-----------------------|
| Intitial CLINS 1,2,3,4,6 | | \$ 975,624,953 | | \$ 290,675,615 |
| CLIN00001 | \$ 144,703,492 | \$ 1,120,328,445 | \$ 24,685,667 | \$ 315,361,282 |
| CLIN00002 | \$ (18,791,157) | \$ 1,101,537,288 | | |
| CLIN00003 | \$ 41,766,038 | \$ 1,143,303,326 | | |
| CLIN00004 | \$ 1,056,927 | \$ 1,144,360,253 | | |
| CLIN00006 | \$ 232,648,518 | \$ 1,377,008,771 | | |
| Less Options | \$ (91,080,703) | \$ 1,285,928,068 | | |
| TOTAL | \$ 310,303,115 | \$ 1,285,928,068 | \$ 24,685,667 | \$ 315,361,282 |

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 Adustment | \$ 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 | \$ 294,220,371 |
| 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 |
| 150 | Electrical Distribution, RTR Equipment, 10CFR851 Phase 1 | \$ 1,941,621 | \$ 978,595,590 | \$ 434,077 | \$ 300,014,732 |
| 152 | IWTU Phase 3/4 Part B (Less IWTU Ops) | \$ | \$ 978,595,590 | \$ 2,913,406 | \$ 302,928,138 |
| 153 | FY 2020 Calcine | \$ | \$ 978,595,590 | \$ 1,477,747 | \$ 304,405,885 |
| 156 | IWTU Vulnerabilities | \$ 6,753,155 | \$ 985,348,745 | \$ 1,215,568 | \$ 305,621,453 |
| 160 | Intec Paving | \$ 983,760 | \$ 986,332,505 | \$ 177,077 | \$ 305,798,530 |
| 162 | Extend Waste Generator Services | \$ 56,155 | \$ 986,388,660 | \$ 10,108 | \$ 305,808,638 |
| 164 | 10CFR851 Phase II Implementation | \$ 3,080,251 | \$ 989,468,911 | \$ 554,445 | \$ 306,363,083 |
| 165 | RCRA Closure ARP V Scope Revisions | \$ 3,858,389 | \$ 993,327,300 | \$ 694,510 | \$ 307,057,593 |
| 167 | IWTU Phase 3/4 Part C Fac Mods, Confirm Run, SPT, Start Ops | \$ | \$ 993,327,300 | \$ 8,303,689 | \$ 315,361,282 |
| 168 | RH Steady State | \$ 3,122,345 | \$ 996,449,645 | \$ - | \$ 315,361,282 |
| | CLIN 00001 Change from Initial Contract | \$ 144,703,492 | \$ 996,449,645 | \$ 24,685,667 | \$ 315,361,282 |

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 Adustment | \$ (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 |
| 149 | Navy Borehole Invoices | \$ | 5,903,367 | \$ | 45,304,427 |
| 153 | Calcine FY 2020 | \$ | 8,209,706 | \$ | 53,514,133 |
| 166 | Nevada Spheres | \$ | 778,406 | \$ | 54,292,539 |
| CLIN 00003 Change from Initial Contract | | \$ | 41,766,038 | \$ | 54,292,539 |

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 |
| 141 | DCAA Audit - IWTU Phase 3/4 Part A | \$ | (855,438) | \$ 214,770,320 |
| 152 | IWTU Phase 3/4 Part B (Less IWTU Ops) | \$ | 16,185,590 | \$ 230,955,910 |
| 167 | IWTU Phase 3/4 Part C Fac Mods, Confirm Run, SPT, Start Ops | \$ | 46,131,607 | \$ 277,087,517 |
| CLIN 00006 Change from Initial Contract | | \$ | 232,648,518 | \$ 277,087,517 |