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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | PAGE OF PAGES 1 2 |
| 2. AMENDMENT/MODIFICATION NO. 100 | 3. EFFECTIVE DATE See Block 16C | 4. REQUISITION/PURCHASE REQ. NO. 09EM000847 | 5. PROJECT NO. (If applicable) |
| 6. ISSUED BY Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue Idaho Falls ID 83415 | CODE 00701 | 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) CH2M WG IDAHO LLC Attn: Ronald J. Slottke 151 NORTH RIDGE AVENUE SUITE 150 IDAHO FALLS ID 834024039 | | (x) 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 166527569 | | FACILITY CODE | |
| | | 9B. DATED (SEE ITEM 11) | |
| | | x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC07-05ID14516 | |
| | | 10B. DATED (SEE ITEM 11) 03/23/2005 | |

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 telegram 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 telegram or letter, provided each telegram or letter 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 X | 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. I.81 52.243-2 Changes-Cost Reimbursement (8/87)&Alt I (4/84) |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| | D. OTHER (Specify type of modification and authority) |

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Tax ID Number: 05-0607601
DUNS Number: 166527569
Modification to Section B.5 of ARRA Work Scope.
Subj to Retent: NO
Delivery Location Code: 00701
Idaho Operations
U.S. Department of Energy
Idaho Operations
1955 Fremont Avenue
Idaho Falls ID 83415 US

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

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| 15A. NAME AND TITLE OF SIGNER (Type or print) | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Maria M. Mitchell |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED |
| 16B. UNITED STATES OF AMERICA Signature on File (Signature of Contracting Officer) | 16C. DATE SIGNED 06/11/2009 |

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC07-05ID14516/100

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| PAGE | OF |
| 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR
CH2M WG IDAHO LLC

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|---------------|
| 00001 | FOB: Destination Period of Performance: 03/23/2005 to 09/30/2012 Change Item 00001 to read as follows(amount shown is the total amount): IDAHO CLEANUP PROJECT AT THE INL Line item value is:\$3,013,170,360.00 Incrementally Funded Amount: \$1,973,441,394.43 | | | 3,013,170,360.00 | |
| 00002 | Change Item 00002 to read as follows(amount shown is the total amount): B.5 Items Not Included in Target Cost Line item value is:\$344,316,427.27 Incrementally Funded Amount: \$344,316,427.27 Modification 100 replaces Section 1. G. (Section B.5 Items Not Included in Target Cost) of the ARRA Work Scope in its entirety. Refer to the attachment (SF30 Continuation Pages)for the full text. All other items related to ARRA remain unchanged, including the funding authorization. | | | 344,316,427.27 | |

The following changes to Section B.5 related to the American Recovery and Reinvestment Act (ARRA) are hereby made to the contract:

1. SECTION B, SUPPLIES OR SERVICES AND PRICES/COSTS is amended as follows:

G. Section B.5 Items Not Included in Target Cost is modified to include the following Recovery Act work. Each B.5 activity listed below will be revised upon completion of negotiations. All B.5 activities must be completed by September 30, 2011.

The following listed scope and their supporting activities (i.e. Waste Disposition, Environmental Services, etc.) are funded by the Recovery Act and are subject to the requirements of the Recovery Act as incorporated herein.

a. Deactivation & Decommissioning (D&D) Activities:

Schedule

The contractor shall schedule activities in a manner that promotes efficiency and effectiveness; however, work for this task shall be completed by September 30, 2011.

Performance Outcomes, Measures, and Deliverables

The following table contains the list of buildings to be included with the Recovery Act. Specific end states are identified per facility and denoted as site back-filled (SB) or site restored (SR). Specific site back-filled requirements for high-risk facilities will be identified in the applicable Engineering Evaluation/Cost Analysis (EE/CA).

Note: This list is in addition to the facilities identified in Attachment 5.

| BUILDING | B.5 Activity - DESCRIPTION | End State |
|-----------------|---|------------------|
| CPP-601 | CPP-601 Final D&D | SB |
| N/A | VCO Lines under Hot cell | SR |
| CPP-602 | Laboratory/Offices Bldg | SB |
| CPP-630 | Safety/Spectrometry | SR |
| CPP-711 | CPP-711 Unloading Shelter at CPP-603 | SR |
| CPP-719 | CPP-719 A & B Nitric Acid Storage VES-CS-100/151 | SR |
| CPP-720 | CPP-720 A/B & CPP-1784 Alum. Nitrate Tank Enclosure | SR |
| CPP-730 | Liquid Nitrogen Storage Tank | SR |
| CPP-736 | Salt Storage Pit | SR |
| CPP-757 | CPP-757 Acid Tank | SR |

| BUILDING | B.5 Activity - DESCRIPTION | End State |
|-----------------|---|------------------|
| CPP-1794 | Subcontractor's Staging Area | SR |
| CPP-762 | West Side Condensate Pump Pit | SR |
| SAA-101&104 | VES-SAA- 101 & VES-SAA-104 LO2 Tanks | SR |
| UTI-709 | VES-UTI-709 Sulfuric Acid Tank | SR |
| WO-129 | VES-WO-129 LN2 Tanks | SR |
| WO-130 | VES-WO-130 LN2 Tanks | SR |
| CPP-1760 | CPP-1760 Above Ground Kerosene Tanks. (basin) | SR |
| CPP-2716 | CPP-2716 HIC Enclosure | SR |
| CPP-679 | Tent Fabrication Facility | SR |
| NCE-140-1 | VES-NCE-140-1 Diesel Underground storage tanks | SR |
| NCE-140-2 | VES-NCE-140-2 Diesel Underground storage tanks | SR |
| CPP-1637 | CPP 1637 FPR Weld Fab Shop Ware house | SR |
| CPP-1672 | Access Control Building (TF) | SR |
| CPP-1682 | CPP-1682 Kerosene Tank Pump House | SR |
| CPP-1638 | CPP 1638 Radiological Contaminated Storage Bldg | SR |
| CPP-641 | Waste Holdup Pump House | SR |
| CPP-796 | West Side Service Waste Building | SR |
| CPP-751 | Service Waste Monitor Station | SR |
| CPP-752 | Service Waste Diversion Station | SR |
| TSF-07 | Disposal Pond | SR |
| TRA-632 | Hot Cell | SR |
| PBF-609 | PBF-609 (WERF Incinerator Bldg) | SR |
| PBF-761 | WERF Spray Dryer Absorber | SR |
| PBF-756 | WERF Exhaust Stack | SR |
| MFC-725/767 | EBR II | SR |
| MFC-750A | MFC-750A (EBR-II Experimental Bldg.) | SR |
| MFC-757A | MFC-757A (EBR-II Cooling Tower) | SR |
| MFC-766 | MFC-766 (EBR-II Sodium Boiler) | SR |
| MFC-793A | Alcohol Recovery Facility Pad & Tank | SR |
| MFC-793B | Alcohol Recovery Facility Annex | SR |
| MFC-793 E/F | SCMS Storage Buildings | SR |
| MFC-795 | EBR-II Cover Gas Cleanup System | SR |
| TRA-612 | TRA-612 (Retention Basin) | SR |
| TRA-712 | TRA-712 (Retention Basin) | SR |
| TRA-760 | TRA-760 (Retention Basin) | SR |
| TRA-613 | TRA-613 (Hot Waste Pump Bldg.) | SR |
| TRA-713B | TRA-713B C D (Hot Waste Tank) | SR |

b. Remote-Handled TRU Waste:

Schedule

The contractor shall schedule activities in a manner that promotes efficiency and effectiveness; however, work for this task shall be completed by September 30, 2011.

Performance Outcomes, Measures, and Deliverables

1. Receive, transport, process and dispose waste that is identified in Table #1 attached (Attachment 1). This waste includes:
 - 22 HFEF-5 cans
 - 6 SLSF cans
 - 11 thin walled cans
 - 1 EBR-1 Donut insert

All waste is currently stored at the Radioactive Scrap and Waste Facility at the Materials and Fuels Complex. The waste contains RH-TRU, accountable nuclear material, sodium, and Nak. See Table 1 attached for specific containers. This also includes other wastes such as MLLW that may be contained in this group of containers.

2. Receive, transport, process and dispose the waste that is contained in the twelve containers identified in Table #2 (Attachment 2) and located in the facilities indicated. The waste is primarily RH-TRU and RH-MTRU, however, the contractor shall investigate the contents of these containers as necessary to determine the appropriate treatment requirements for disposal of all waste in the containers.

The following requirements pertain to 1 and 2 above of Section C.3.5.1.

- Waste and any SNF that may be encountered that cannot be disposed will be returned to MFC for storage.
- The contractor will accomplish necessary coordination with NRF, BEA, NE, WIPP, and CCP to accomplish the scope.
- Must reflect all aspects of the work through departure from the state of Idaho or other interim or final disposition of non-TRU waste.
- The contractor shall sequence the work to give priority to waste covered by the Idaho Settlement Agreement and the Site Treatment Plan.

3. Receive, transport, process and dispose the waste that is identified in Table #3 attached (Attachment 3). This waste includes:

- 192 liners of MLLW

All waste is currently stored at the Radioactive Scrap and Waste Facility at the Materials and Fuels Complex. The majority of the MLLW contains sodium, and/or Nak. See Table #3 attached for specific containers.

4. Accelerate the processing, waste characterization and certification of 67 Sludge Pan Containers stored in a Hot Cell at the Naval Reactors Facility to support disposal at the Waste Isolation Pilot Plant by the end of FY2010.
5. Perform the actions necessary to receive RH-TRU and suspect RH-TRU from AMWTP and transport it to INTEC for characterization, remediation (if necessary), interim storage, packaging and preparation for shipment to WIPP for disposal. This includes any certification activities which may be necessary to meet the WIPP Waste Acceptance Criteria, either performed by CWI or by Central Characterization Project (CCP).

Waste that is determined not to be RH-TRU (i.e., CH-TRU, LLW, MLLW) shall be returned to AMWTP for further treatment and disposal.

Perform the actions necessary to receive waste primarily stored in WMF-628 and adjacent facilities and transport it to INTEC for characterization, remediation (if necessary), interim storage, packaging and shipment offsite for disposal.

The cost of these activities shall be borne by CWI from the time the waste is loaded for transport to INTEC until it is loaded in a cask for transportation to WIPP, it is received back at AMWTP, or it has been disposed of offsite.

6. Provide RH TRU and CH TRU Analytical Laboratory capability.

c. WAG 7/Subsurface Disposal Area (SDA)

Additional Recovery Act work scope to include the following activities:

- a. Pit 4W (P04P03) exhumation facility design, construction and start excavation of the pit area footprint, retrieval and packaging and shipment to WIPP of TRU and targeted waste. This includes all necessary additional engineering staffing, operations crews, operations trailers and excavation equipment.
- b. Pit 10W (P10P03) exhumation facility design and construction.

- c. Design and construction of an additional storage facility similar in size and function to WMF-698