

**IDAHO CLEANUP PROJECT (ICP)**  
CONTRACT NO. 89303321DEM000061  
MOD P00006

## **Task Order 2**

### **ICP Implementation Period Task Order**

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## Section B - Supplies or Services and Prices/Costs

This Task Order (TO) work shall be performed under Contract Line Item Number (CLIN) 00002 (TO-2) of the Idaho Cleanup Project (ICP) Contract Master Indefinite Delivery/Indefinite Quantity (IDIQ) Contract (herein referred to as the Master IDIQ Contract). Section B of the Master IDIQ Contract is incorporated by reference. The requisite clause information specific to this TO included below is consistent with the clause numbering structure established by the Master IDIQ Contract.

### B.1 DOE-B-2012 Supplies/Services Being Procured/Delivery Requirements (Oct 2014)

The Contractor shall furnish all personnel, facilities, equipment, material, supplies, and services (except as may be expressly set forth in this TO as furnished by the Government) and otherwise do all things necessary for, or incident to, the performance of work as described in Section C, Performance Work Statement (PWS) under this TO.

### B.2 Type of Contract

(a) DOE-B-2001 Cost-Plus-Fixed-Fee Task Order: Total Estimated Cost and Fixed Fee (Oct 2014) (Revised)

- (1) This is a Cost-Plus-Fixed-Fee TO. In accordance with the clause at FAR 52.216-8, *Fixed Fee*, the total estimated cost and fixed-fee, along with the Performance Management Incentive (PMI) fee, for this TO are as follows:

Table B-1. Estimated Total Price.

<b>Total Estimated Cost:</b>	\$147,607,038
<b>Fixed Fee:</b>	\$ 6,901,862
<b>PMI Fee:</b>	\$ 0
<b>Total Estimated Price:</b>	\$154,508,900

- (2) The Total Estimated Cost and Fee of the Task Order, and/or the Total Estimated Cost and Fee of the Contract Line Items, is as follows (Table B-2):

Table B-2. Task Order Structure.

TO Number	TO Title	TO Type	Estimated Cost	Fixed Fee:	PMI Fee:	Total Estimated Price:
TO-2	Implementation Period	CPFF	\$147,607,038	\$6,901,862	\$0	\$154,508,900
TO = Task Order		CPFF = Cost-Plus-Fixed-Fee				

- (3) Payment of fee will be made in accordance with the Clause FAR 52.216-8, *Fixed Fee*, and the TO clause B.13 *Performance Management Incentive for Implementation*, if applicable.

- (4) TO Description:

TO-2: Implementation Period:

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This TO includes the estimated cost and fixed-fee associated with performing work identified within the TO PWS.

### **B.4 DOE-B-2013 Obligation of Funds (Oct 2014)**

- (a) Pursuant to the clause of this Contract in FAR 52.232-22, *Limitation of Funds*, total funds in the amount(s) specified below are obligated for the payment of allowable costs. It is estimated that this amount is sufficient to cover performance through the date(s) shown below.

TBD at TO issuance.

Incremental funding will be obligated prior to January 1, 2022.

### **B.13 Performance Management Incentive for Implementation**

The PMI fee allocated to this TO is \$0 for the Fiscal Year 2022 Period of Performance. The Department of Energy (DOE) reserves the right to allocate PMI fee to TO-2 at a later date, if deemed necessary.

## Section C - Performance Work Statement

### **C.1 Task Order Requirements**

The Implementation Period represents the four (4) month period immediately following the estimated 90-day transition period. On day one (1) of the Implementation Period, the Contractor assumes full responsibility for performance of the Master IDIQ Contract PWS. During the Implementation Period the Contractor shall continue performance in the same manner as the prior contractor(s), including small business participation. The purpose of the Implementation Period is to keep the existing work on-going while the various steps are undertaken to put the End State TOs in place. The Contractor shall be responsible for continued uninterrupted (ICP operations, including Integrated Waste Treatment Unit (IWTU), from TO issuance. The Contractor shall utilize the same, or similar, workforce skill mix, talent and technical capabilities as the incumbent contractor. The Contractor shall perform the Section C PWS sections of the Master IDIQ Contract identified below:

- C.1.0 General and Background Information
- C.3.0 EM Facility infrastructure (including sub parts)
- C.4.0 CERCLA Remediation (excludes C.4.1 and C.4.2)
- C.4.3 ICDF (excludes C.4.3.01 and C.4.3.02)
- C.4.4 Waste Area Groups (including sub parts)
- C.5.0 Waste Management
- C.5.1 CH TRU Waste Disposition (including sub parts)
- C.5.2 Buried Waste Exhumation (including sub parts)
- C.5.3 RH TRU Waste Disposition (including sub parts)
- C.5.4 Naval Nuclear Propulsion Program (NNPP) Pieces, Parts, and Fines (PPF) (including sub parts)
- C.5.5 CH MLLW Disposition (including sub parts)
- C.6.1 IWTU Operations
- C.6.2 Calcine Retrieval Demonstration Project
- C.7.0 Spent Nuclear Fuel (SNF) Management (including sub parts)
- C.9.0 Program Management and Support Programs (including sub parts)

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Additional scope clarification is provided as follows:

The Contractor shall ensure that the work in the contract shall continue (after TO-1 – Contract Transition) safely, efficiently, and without disruption. In addition to the Master IDIQ Section C Performance Work Statement, the Contractor shall also ensure the following scope activities are included in TO-2 - Implementation Period:

### ***C.3.2 – INTEC***

Under the ICP Core contract, the incumbent contractor was required to replace the Idaho Nuclear Technology and Engineering Center (INTEC) Emergency Communication System (ECS) with a new wireless system. Currently, 12 of 30 buildings/areas have not yet been cutover and tested. The Contractor shall ensure this work scope continues during TO-2 – Implementation Period.

The ECS includes alarms and voice paging using speakers, visual indications using strobes, and interfaces with the fire alarm system. This scope includes:

- Installing a wireless base station(s) with 4-hour battery backup and a computer with system management software; and installing a wireless remote in each building, including 4-hour battery backup, fire alarm interfaces, antennas, speakers, and strobes.
- Designing a new wireless system in accordance with current code requirements.
- Project and construction management.
- Installation of new wireless communication equipment, new speakers, strobes, and conduit.
- Installation of conduit/wire between wireless field units and new speakers/strobes in buildings.
- Connection of new speakers/strobes to new wireless units using existing conduits/wires.
- Installation of power wiring to new field units from electrical distribution panels.
- Programming of communication equipment.
- System Operation Verification Testing.
- Factory oversight and commissioning of new equipment.

### ***C.4.2 – RWMC SDA Cap***

The Contractor shall initiate preparatory activities toward completing the construction of the Subsurface Disposal Area (SDA) cap by December 31, 2028. The Contractor shall work towards finalizing the DOE/ID-12000 Decommissioning and Demolition (D&D) Plan for Structures within the Design Footprint of the SDA Cap and Decommissioning and Demolition Plan for Transuranic Storage Area - Retrieval Enclosure (TSA-RE) (WMF-636).

The Contractor shall work towards finalizing the D&D plans (DOE/ID-12000 D&D Plan), including sequencing and integration with other Advanced Mixed Waste Treatment Project (AMWTP) activities, to support to the maximum extent possible disposition under the cap to meet cap construction milestones. The Contractor shall work with the U.S. Corps of Engineers towards obtaining a renewed determination regarding the spreading areas.

The Contractor shall work on developing a remedial action work plan that includes the Accelerated Retrieval Project (ARP) facilities D&D sequencing and integration with other AMWTP activities to

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support disposition under the cap to meet cap construction milestones. The Contractor shall work on developing approved-for-construction design package(s) in accordance with the SDA cap design. The contractor shall begin developing a detailed cost and schedule estimate for the SDA cap construction.

***C.4.3.01 – ICDF New Cell Construction***

The Contractor shall make progress toward the Idaho Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Disposal Facility (ICDF) new cell construction to meet the disposition needs of the CERCLA and D&D programs. This shall include making progress on developing, completing, and implementing siting, design, and regulatory documents. Siting and design documents include ICDF Geotechnical Field Sampling Plan and Landfill and Evaporation Pond Excavation Plan. Siting investigations to include landfill and evaporation pond depth of bedrock borings, INTEC Area and Rye Grass Flats geotechnical investigations for preparation of start of Phase I (landfill and evaporation pond excavation) with construction scheduled to begin in Fiscal Year 2022. During the period of performance for this TO, the Contractor shall develop a detailed cost and schedule estimate for the new cell construction.

**C.5.3.02 RH-TRU Treatment**

The Contractor shall continue to treat all waste for disposal and certify that the waste has been treated to applicable requirements, including the most recent Waste Acceptance Criteria (WAC) of the treatment/disposal facility. The Contractor shall continue to progress work toward the Sodium Distillation System Readiness Assessment.

***C.5.3.05 – RH-TRU Waste Lot 11***

The Contractor shall continue to retrieve, process, treat, characterize and dispose of the waste identified as Lot 11. The Contractor shall continue progress on retrieval of seven (7) large liners at the Radioactive Scrap and Waste Facility (RSWF).

***C.5.6 - RCRA Closure of RWMC Facilities***

The Contractor shall make progress toward completing the Resource Conservation and Recovery (RCRA) Closure of the TSA-RE on Pad 1 and Pad R. The Contractor shall initiate work on the RCRA Closure of the Pad 2 also located within the TSA-RE. Closure activities include continued progress on asphalt removal along with preparation to support submittal of RCRA Closure Plans to the Idaho Department of Environmental Quality (DEQ).

The Contractor shall also initiate and make progress toward completing the RCRA Closure of the ARP VII facility. Closure activities include progress on removal of waste and other materials and preparation of the RCRA Closure Plan for eventual submittal to the Idaho DEQ.

***C.6.1 - Integrated Waste Treatment Unit (IWTU) Operations***

The Contractor shall assume operations at its current status from the incumbent contractor and take necessary steps to complete (if necessary) the 50-day confirmatory run, the Process Gas Filter (PGF) outage, and commence the System Performance Test (SPT) following formal approval to commence radiological operations. The Contractor shall commence waste treatment operations and maintain the IWTU facility until treatment is complete on all (approximately 900,000 gallons) Sodium Bearing

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Waste (SBW), tank heels and tank rinsate in the four (4) INTEC Tanks WM-187, WM-188, WM-189, and WM-190, and store the granular waste product in the IWTU storage area. This includes the procurement of sufficient calcined coal to support plant operations. (Note: Tank WM-190 is an empty tank that was constructed in the event one of the other tanks leaked. The remaining three tanks have liquid waste in them, but all four tanks shall be RCRA closed when empty.)

### ***C.6.1.1 - Complete PGF Outage and Inspection***

The Contractor shall complete documentation of the results from the 50-day confirmatory run. The Contractor shall commence the PGF Outage following the confirmatory run to include the dry decontesting, PGF and other key component inspections, other detailed, approved outage work scope, and generate required documentation to support demonstration of outage completion.

### ***C.6.1.2 - Commence IWTU System Performance Test and Commence Radiological Waste Treatment Operations***

The Contractor shall complete corrective action closeout/resolution for findings, deficiencies or observations identified during the Post-Outage J and Radiological Operations focused readiness assessments. The Contractor shall coordinate with and provide technical support to Environmental Management (EM)-ICP to receive approval from EM-3.1 to commence radiological operations. The Contractor shall make progress on the commencement and documentation supporting completion of TI-103 IWTU System Performance Test and PLN-3298 IWTU System Performance Test Plan. The contractor shall coordinate with the Idaho DEQ to resolve comments to obtain an approved System Performance Plan that supports the start of hot operations. When authorized, the Contractor shall initiate waste treatment operations, complete the SPT, and perform all required maintenance at IWTU and associated support buildings including preparations for planned facility outages and procurement of spare parts. The Contractor shall initiate development of required SBW treatment and tank farm closure actions following approval from EM-ICP. The Contractor shall identify any necessary test runs at the Hazen Pilot Plant to support long-term IWTU operations and initiate development of required test plans.

### ***C.6.1.3 - Related Facility Modifications***

The Contractor shall continue to advance the design or initiate work to implement the following facility modifications: product storage building expansion, canister storage racks, canister refurbishment, procurement of new product storage canisters, product storage vaults and vault construction pad expansion, conversion of Off Gas Cooler (OGC) from potable to raw water, installation of upgraded process blower seals, migration of new FDCSHIST2 server, procurement of long lead spares and equipment, additional maintenance work areas, additional storage for plant operations, Granulated Activated Carbon (GAC) changeout equipment (or subcontract), permanent facility operations platforms, disposal of temporary simulant system/components, CPP-1699 (accountability facility) refurbishment, and required temporary shielding or related equipment.

### ***C.6.2 - Calcine Retrieval Demonstration and Disposition Project***

The Contractor shall initiate the Calcine Retrieval Demonstration Project upon direction from the DOE Contracting Officer.

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The Contractor shall begin actions to implement the 2021 Calcine Disposition Project (CDP) Analysis of Alternative Recommendations for the preferred disposition path for calcine once approval is received from DOE-Headquarters.

The Contractor shall initiate development of a long-term strategy for calcine waste disposition. IWTU facility modifications may be implemented to support calcine disposition upon direction of the DOE Contracting Officer. These modifications may be dependent upon the calcine disposition path forward (future treatment versus direct disposal). Activities during the period of performance for this TO-2 may include (as appropriate):

- RCRA permit modification development.
- Support preparation of a National Environmental Policy Act (NEPA) Supplement Analysis.
- Initiate preparation of project specific documentation to support CD-1.
- Continue work on Cold Crucible Induction Melter (CCIM) technology assessment.
- Continue advancing component and system designs and performing retrieval and transport testing using the full-scale mockup.
- Continue developing Calcine Solid Storage Facility (CSSF) closure documentation.

### ***C.7.1.03.01.01 ATR SNF***

The Contractor shall progress toward completion of transferring all remaining Advanced Test Reactor (ATR) SNF elements from wet storage in CPP-666 into dry storage in CPP-603.

### ***C.7.1.03.01.02 - EBR II SNF***

The contractor shall progress transfers of Environmental Breeder Reactor-II (EBRII) SNF to RSWF and Fuel Conditioning Facility (FCF), with a target of four (4) transfers during the period of performance.

### ***C.7.1.03.02 - Complete the Peach Bottom SNF Transfer Project***

The Contractor shall initiate transfers from 1st to 2nd generation vaults, with a target of four (4) transfers. Transfers are limited by weather and are assumed to occur in March and April of 2022.

### ***C.7.1.03.03 - NuPac 125-B Cask Transfer Project***

The Contractor shall evaluate the path forward for NuPac125-B casks, while continuing preparations necessary to move two (2) NuPac 125-B casks stored in the cask receiving area of CPP-666 to the CPP-603 truck bay in the summer of 2022.

### ***C.7.1.03.05 - SNF Road Ready Demonstration Project***

The Contractor shall initiate a design report to load standard canisters and place them into multi-purpose canisters.

### ***C.7.1.03.06 Idaho SNF Packaging Facility***

The Contractor shall support the Idaho Staging Facility conceptual design effort in obtaining CD-1, and if applicable and approved, begin draft conceptual design.



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***C.7.3.03 Navy Nuclear Propulsion Program (NNPP) SNF***

The Contractor shall continue preparations to receive, unload and process NNPP SNF.

***C.7.2.01.01 – Fort St. Vrain (FSV) ISFSI***

The Contractor shall provide oversight of the construction of the new administration building being constructed by Beckrich Construction, LLC (Beckrich) at the FSV facility. This scope includes the oversight of: (1) work orders developed under the Spectra Tech, Inc. (previous Contractor) Work Order Program PM-040 and PM-011; (2) health and safety implementation of the Beckrich Worker Safety and Health Program Plan; (3) serving as Authority Having Jurisdiction (AHJ) and Building Code Official for matters involving fire protection; (4) scheduling oversight and reviews; (5) new equipment specifications verification, oversight of newly installed equipment testing, walkthrough for the punch list items, confirmation of punch list item completions, and turnover of the building to DOE-ID. This work shall continue until the project is complete, anticipated to be June 2022.

The Contractor shall provide engineering support to include civil, electrical, instrumentation and controls, mechanical piping, mechanical HVAC, security systems, water and wastewater systems. The building will include the construction of an Armory and Secure Room under defined specifications. The construction management team shall provide support in accordance with PM-011 and PM-040 procedures to include weekly reports on the progress of the construction activities in accordance with the provided Beckrich three-week ahead plan.

Routine maintenance and license required activities shall continue through TO-2 – Implementation Period.

***C.7.2.01.02 - TMI-2 ISFSI***

The Contractor shall prepare for the Nuclear Regulatory Commission (NRC) Physical Security inspection scheduled May 16-20, 2022. The Contractor shall prepare for the inspection using NRC Inspection Procedure 8131, and as listed the current NRC License agreement. The Contractor shall also continue with routine maintenance and license required activities and with any remaining activities required for the TMI-2 Demand for Information.

***C.7.3.01 - Advanced Test Reactor (ATR) SNF receipts***

ATR is currently in a long-term outage for the reactor core to be rebuilt. Shipments will not occur until April 2022. The Contractor shall continue preparations to receive and store shipments in April 2022.

***C.8.0 - Facility Decontamination and Decommissioning (D&D)***

The Contractor shall make progress toward completing decontamination, demolition, and environmental remediation for the reactor prototype SIW and buildings NRF-601, NRF-608 and NRF-625 including but not limited to progress on:

- The development of a support infrastructure such as shop installation and equipment inspection, maintenance, and storage;
- Hiring and training of new D&D workers;

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- Commencing preliminary work in developing a detailed cost and schedule estimate for D&D and environmental remediation of S1W and buildings NRF-601, NRF-608 and NRF-625;
- Developing engineering work instructions and work orders to support initial D&D work at the S1W facility; and
- Continuing other preparatory activities necessary to progress on D&D activities.

**Section D - Packaging and Marking**

Section D of the Master IDIQ Contract is incorporated by reference.

**Section E - Inspection and Acceptance**

Section E of the Master IDIQ Contract is incorporated by reference.

**Section F - Deliveries or Performance**

Section F of the Master IDIQ Contract is incorporated by reference. The requisite clause information specific to this TO included below is consistent with the clause numbering structure established by the Master IDIQ Contract.

**F.3 Period of Performance**

- (b) The overall Task Order Period of Performance (POP) is estimated to be 120 days from the TO Issue date.

**Section G - Contract Administration Data**

Section G of the Master IDIQ Contract is incorporated by reference, as applicable.

**Section H - Special Contract Requirements**

Section H of the Master IDIQ Contract is incorporated by reference.

**Section I - Contract Clauses**

Section I of the Master IDIQ Contract is incorporated by reference.

**Section J - List of Attachments**

Section J of the Master IDIQ Contract is incorporated by reference, as applicable to this TO. The Contractor shall submit the required deliverables under this TO in accordance with Attachment J-2 *Contract Deliverables* of the Master IDIQ Contract.