

**U.S Department of Energy
 Oak Ridge Office of Environmental Management
 Task Order**

1. Task Order Number: 89303523FEM400032	2. Task Order Revision Number: 28
3. Task Order Title: Oak Ridge Reservation Cleanup End States Task Order	
4. Date of Task Order – 05/10/2023	
5. Master IDIQ Contract Information:	
a. Contractor Name and Address: United Cleanup Oak Ridge LLC (UCOR) 20501 Seneca Meadows Pkwy, Ste 300 Germantown, MD 208767019	
b. Contract Number: 89303322DEM000067	
6. Description of Work: See attached subtasks	7. Accounting and Appropriation Data: See Clause B.4
8. Task Order Type, Cost, and Fee: Hybrid – See attached subtasks	9. Period of Performance: 05/10/2023-05/09/2033
See attached for all terms and conditions.	

Oak Ridge Cleanup Contract 89303322DEM000067/
89303322DEM000067/89303523FEM400032

United Cleanup Oak Ridge LLC (UCOR)

Subtask No: 000361

Subtask 6-1: *Y-12 Former Mercury Use Facilities and Bear Creek Valley
Priorities – Phase I, Subtask 1,*

*Y-12 Operations and Cleanup End States, **Modification 1***



U.S Department of Energy
Oak Ridge Office of
Environmental Management

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Section B – Supplies or Services and Prices/Costs

This Subtask work shall be performed under Contract Line Item Number (CLIN)-00003 of the Oak Ridge Reservation Cleanup Contract (ORRCC) Master Indefinite Delivery/Indefinite Quantity (IDIQ) Contract (herein referred to as the Master IDIQ Contract). Section B of the Master IDIQ Contract and Task Order 89303322DEM000067/89303523FEM400032 is incorporated by reference.

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 Subtask as furnished by the Government) and otherwise do all things necessary for, or incidental to, the performance of work as described in Section C, Performance Work Statement under this Subtask.

B.2 Type of Subtask

(a) DOE-B-2002 *Cost-Plus-Incentive-Fee Task Order: Total Estimated Cost and Incentive Fee (Oct 2014)* (Revised)

(1) This is a Cost-Plus-Incentive-Fee type Subtask. In accordance with the clause at FAR 52.216-10, *Incentive Fee*, the target cost, target fee, maximum and minimum fees, and the target fee increase and decrease ratios for this Subtask are:

See Appendix B.2 for additional details.

Target Cost: \$343,207,500* **

* \$343,207,500 includes non-fee bearing costs of \$2,144,375 for government furnished property. The fee-bearing costs for the calculation of fee below is \$341,063,125.

** A cost no fee true up based on an escalation variation of +/- 2% will be conducted on an annual fiscal year basis at the master contract level if determined necessary by either party.

Target Fee: \$27,285,050

Maximum Fee (15%): \$51,159,469*

* Includes PMI of \$15,347,841 so remaining Maximum Fee is \$35,811,628.

Minimum Fee: \$12,513,299*

* Minimum Fee is only applicable to Performance Milestones that must be completed to earn fee.

i. Cost Incentive

Target Cost: \$341,063,125*

Target Fee: \$5,729,861

Maximum Fee: \$10,743,488

Minimum Fee: N/A

* Actual fee earned will be prorated based on final cost at completion.

For the cost incentive portion of fee, as specified at Section I clause FAR 52.216-10, Incentive Fee, paragraph (e)(1): the fee payable under this subtask shall be the target fee increased by thirty (30) cents for every dollar the total allowable cost is less than the target cost or decreased by thirty (30) cents for every dollar the total allowable cost exceeds the target cost. In no event shall the fee be greater than (See Appendix B.2 for max amount) or less than \$0.

ii. Schedule Incentive

Target Fee: \$1,909,954*

Maximum Fee: \$3,581,163

Minimum Fee: N/A

* Note the fee amount will be calculated on a prorated daily basis from the max fee due date through the target fee due date. No fee will be available beyond the target fee due date.

iii. Performance Incentive

Target Fee: \$15,776,455* **

Maximum Fee: \$21,486,977

Minimum Fee: \$12,513,299

* Earned upon completion/no clawback

** Performance Milestones must be completed to earn fee.

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

Table B-1. Task Order CLIN Structure

CLIN/ SubCLIN	CLIN/SubCLIN Title	CLIN Type	Target Cost**	Target Fee	Fee Increase/Decrease Ratio
00003	ORRCC End State Task Order 89303322DEM000067 /89303523FEM40003 2				
00361	Subtask 6-1: Y-12 Operations and Cleanup End States, <u>Modification 1</u> *	CPIF	\$343,207,500	\$27,285,050	As described in Subtask 6-1, Section B.2(c)(1). See Appendix B.2 for additional details.
Acronyms: CPIF Cost Plus Incentive Fee Y-12 Y-12 National Security Complex					

*** Includes authorization of SubCLIN 00361-1, Beta-4 (Priced Option) for execution within SubCLIN 00361.**

***This Subtask is subject to reopening pending incorporation of audit results from the recent audit of UCOR completed by an CohnReznick LLC. Therefore, the parties agree that the Total Subtask Estimated Value is subject to adjustment based on the results of audit report and resolution of audit findings. Should there be no agreement between DOE and Contractor on the amount of the price adjustment, the Contracting Officer may make a unilateral determination and modify the Subtask accordingly. Failure of Contractor and DOE to agree with such change and the resulting Total Subtask Estimated Value shall be resolved in accordance with the Disputes Clause of the Contract.*

(3) Payment of fee shall be made in accordance with the clause 52.216-10, Incentive Fee, Clause I.228, DEAR 970.5232-2, Payment and Advances (Dec 2000) – Alt I (Dec 2000),

Alt II (Dec 2000) and Alt III (Dec 2000)(DEVIATION) of the Master IDIQ Contract and is payable upon DOE's final determination.

- i. Cost incentive fee will be made in accordance with this clause, Section B.11, Provisional Payment of Fee (Oct 2013)(Revised) of the Master IDIQ Contract, and other applicable clauses of the Subtask.
- ii. Performance and schedule incentive fee under this subtask will be paid after completion criteria is validated by OREM.

B.9 Basis for Change

In accordance with Clause B.9 *Basis for Change*, the identification of fee risk ownership for both the Government and the Contractor is set forth in Appendix B.9.

B.12 Performance Management Incentive

In accordance with Clause B.12, *Performance Management Incentive*, of the Master IDIQ Contract, Performance Management Incentive is applicable to this Subtask.

Section C – Performance Work Statement

C.1 Subtask Requirements

The Contractor shall perform the requirements in accordance with the Master IDIQ Contract and Task Order 89303322DEM000067/89303523FEM400032 and the information included below:

PERFORMANCE BASED STATEMENT OF WORK Subtask 6-1: Y-12 Operations and Cleanup End States

1.0 INTRODUCTION

This is an End States Subtask. Key desired outcomes for risk and environmental liability reduction include:

- Excess contaminated facilities de-inventoried of contaminants of concern that include Asbestos, Mercury, Lead, Beryllium, and Uranium.
- Contaminant Load Remediated from identified areas of Soil and Other Environmental Media.
- Excess contaminated facilities demolished.
- Footprint reduction/acres remediated and transferred to NNSA as vital space for ongoing site missions.

- Remedial Site Evaluation of Bear Creek Valley complete, interim removal action complete for Bear Creek Valley North Tributary-8, and regulatory decision documents approved for remediation of Bear Creek Valley Burial Grounds and White Wing Scrap Yard.

Modification 1:

- **Exercises Subtask 6-1, SubCLIN 000361-1, Beta-4 (PRICED OPTION) for completion within SubCLIN 000361, Subtask 6-1: Y-12 Operations and Cleanup End States, as defined in Section 3.0, Scope and Section J, Attachment J-3, Interfaces.**
- **Revise “Table J-7-6” to “Attachment J-7-6” and establish due date for Deliverable T6-014 and delete Deliverables T6-010 and T6-11.**
- **Modify Appendix B.2 to remove the performance incentive milestone for “Alpha 4 Process Equipment Characterization Complete” and assign the associated performance incentive fee to “Alpha 4 Declassification Complete”; and add milestone completion dates to performance incentive milestones previously identified as “TBD” and incorporate Performance Milestone completion details for Performance Milestone Numbers 6-01 through 6-24.**

DOE and the ORRCC Contractor have partnered to reach agreement on the scope of work, completion objectives, and risk and mitigation ownership for the Subtask period of performance. The Contractor shall ensure this Subtask scope is integrated with other Subtasks, as necessary.

2.0 BACKGROUND

Since its inception in 1943, the U.S. Department of Energy (DOE) Oak Ridge Reservation (ORR)’s Y-12 National Security Complex (Y-12) sites has supported a variety of DOE missions including weapons development and production, science and energy research, and isotope and nuclear fuel production. Today Y-12, managed and operated by DOE’s National Nuclear Security Administration (NNSA), is an enduring site performing key DOE missions. Environmental liabilities from past DOE Oak Ridge activities remain to be addressed. To reduce environmental safety and health risk, numerous excess contaminated facilities at Y-12 must be demolished and sites with contaminated environmental media require remediation. Mercury is the prevalent legacy contaminant at Y-12, but beryllium, uranium, and other chemicals are also present. Y-12 also includes DOE’s Office of Environmental Management (EM) operating facilities that support waste treatment and disposal and environmental compliance.

One of DOE’s strategic goals is to clean up the nation’s Manhattan Project and Cold War legacies in compliance with laws and regulations. To accomplish this goal, DOE must reduce its environmental liabilities through accelerated cleanup of high-risk areas, thereby reducing risk and financial liability and returning land for its projected future use.

Accelerated cleanup (i.e., accomplishing cleanup faster and more efficiently than planned) is a cooperative undertaking that requires the Contractor and the Government to seek innovative approaches to achieve the end states.

The scope of this task order includes accelerated cleanup of the highest priority excess contaminated facilities and sites at Y-12 while continuing critical ongoing waste treatment and disposal operations. DOE and the ORRCC Contractor have partnered to reach agreement on the scope of work, completion objectives, and risk and mitigation ownership for the task order.

3.0 SCOPE

The Contractor shall perform the scope of work and requirements in accordance with the Section C PWS sections and subsections of the Master IDIQ Contract identified below:

Subtask 1:

- **C.3.2 Y-12 Cleanup**
 - **C.3.2.2 Beta 4 (9204-4) Complex**
 - C.3.2.2.2 Preparation for Demolition (select activities)
 - **C.3.2.4 Alpha 4 (9201-4) Complex**
 - C.3.2.4.1 Characterization (select activities)
 - C.3.2.4.2 Preparation for Demolition (select activities)
 - **C.3.2.5 Alpha 2 (9201-2) Complex**
 - C.3.2.5.2 Preparation for Demolition
 - **C.3.2.7 Beta 1 Complex**
 - C.3.2.7.2 Preparation for Demolition
 - **C.3.2.17 9401-1 Facility**
 - C.3.2.17.3 Demolition
 - **C.3.2.19 Bear Creek Valley Burial Grounds Record of Decision**
 - **C.3.2.24 Bear Creek Valley White Wing Scrap Yard Record of Decision**
 - **C.3.2.26 UEFPC Soils Remedial Action**
 - C.3.2.26.1 Upper East Fork Poplar Creek Soils – Remedial Action (Characterization of Select EUs, as specified below)
 - **C.3.2.27 Bear Creek Valley NT-8 Action Memo and Removal Action**
 - C.3.2.27.1 Bear Creek Valley NT-8 – Remedial Action (select activities)
- **C.5.4 Y-12 Surveillance and Maintenance of EM Facilities and Sites and Environmental Monitoring**
 - C.5.4.1 Y-12 Surveillance and Maintenance
 - C.5.4.2 Y-12 Environmental Monitoring
- **C.5.5 CERCLA Disposal Facilities and ORR Landfills Management and Operations**

- C.5.5.1 EMWMF
- C.5.5.2 ORR Landfills

For the scope of work performed under Master IDIQ PWS sections and subsections listed in the Scope, the Contractor shall incorporate the following assumptions and completion objectives into the Subtask:

Subtask 6-1 Assumptions and Completion Criteria		
PWS Subsection	Completion Criteria	Assumptions
<p><i>C.3.2.2 Beta 4 (9204-4) Complex Demo Prep</i></p>	<ul style="list-style-type: none"> • Complete initial Preparation for Demolition activities, including: <ul style="list-style-type: none"> - Mobilization. - Cold and dark, combustible removal and temporary power - Initial Beryllium investigations and cleanup/decontamination. - Structural evaluation of building and compensatory measures. - Procurement and receipt of waste containers for deactivation waste disposal. - Regulatory document preparation and approval; and, - Project management and project support through completion of initial Preparation for Demolition activities. 	<ul style="list-style-type: none"> • The facility complex shall be prepared for open air demolition. • The following facilities from Master IDIQ Section C are excluded: <ul style="list-style-type: none"> - OD-7, Building 9811-1 RCRA Tank Storage Area - OD-9, Building 9811-8 Waste Oil/Solvent Storage Area • Assume facilities will be outside of Perimeter Intrusion Detection and Assessment System (PIDAS) in September 2025. • Regulatory documents include a specific addendum to the RDR/RmAWP plan that covers both the Prep for Demolition and Demolition end states.

Subtask 6-1 Assumptions and Completion Criteria		
PWS Subsection	Completion Criteria	Assumptions
<p>C.3.2.4 <i>Alpha 4 (9201-4) Complex Char/Demo Prep</i></p>	<ul style="list-style-type: none"> • Complete Deactivation Characterization. • Continue to prepare the Alpha-4 Complex for Demolition by completing all remaining sanitization and equipment removal activities to obtain Declassification approval for the facility. • Procure and receive waste containers required for 18-months of deactivation waste disposal. • Provide facility inspection and maintenance. 	<ul style="list-style-type: none"> • The facility complex shall be prepared for open air demolition. • Scope includes the Y701630 pedestrian bridge. • The creation of no-path-to-disposal waste will be prevented or minimized. • Collaboration with DOE project management, waste management SMEs, and regulatory affairs SMEs will identify acceptable paths forward for Alpha-4 waste items included in Master IDIQ Attachment J-12, Difficult to Disposition Waste and no-path-waste including but not limited to storage and/or variance request preparation and submittal. • Recovered mercury will be dispositioned or relocated to approved storage area(s). • Prep for demo activities in Alpha 4 may continue inside PIDAS with Alpha-5 and Beta-4 prep for demo activities prioritized, once WEPAR progress places Alpha-5 and Beta-4 outside PIDAS.

Subtask 6-1 Assumptions and Completion Criteria		
PWS Subsection	Completion Criteria	Assumptions
C.3.2.5 <i>Alpha 2</i> (9201-2) <i>Complex</i>	<ul style="list-style-type: none"> • Complete Preparation for Demolition end state described in ORRCC End State Task Order Section C.3 and support DOE with obtaining Critical Decision approval for Demolition. 	<ul style="list-style-type: none"> • The slabs and subsurface structures shall remain for a future remedial action, except for inaccessible basement areas identified for excavation in the applicable RmAWP. • Exterior ACM has been removed, except where the Y-12-owned utility re-route prevented access. • Facility complex will be prepared for open air demolition.
C.3.2.7 <i>Beta 1</i> (9204-1) <i>Complex</i>	<ul style="list-style-type: none"> • Complete Preparation for Demolition end states described in ORRCC End State Task Order Section C.3, including removal and disposition of process equipment and piping from basement areas, stabilization of basement areas with CLSM in preparation for demolition, and supporting DOE with obtaining CD approval for Demolition, if applicable. • Provide Project management and support through completion of the Preparation for Demolition end state. 	<ul style="list-style-type: none"> • The slabs and subsurface structures shall remain for a future remedial action, except for inaccessible basement areas identified for excavation in the applicable RmAWP. • Exterior ACM has been removed, except where the Y-12-owned utility re-route prevented access. • Facility will be prepared for open air demolition. • Repairs will be needed to support waste hauling across E Street prior to the start of demolition and after demolition.
C.3.2.17 <i>9401-01 Facility</i>	<ul style="list-style-type: none"> • Complete Demolition end state described in ORRCC End State Task Order Section C.3 and desired outcome described in Master IDIQ C.3.2.17. 	<ul style="list-style-type: none"> • The slab shall remain for a future remedial action. • Exterior ACM has been removed, except where the Y-12-owned utility re-route prevented access.
C.3.2.19 <i>BCV Burial Ground Record of Decision</i>	<ul style="list-style-type: none"> • Complete desired outcome described in ORRCC End State Task Order Section C.3.2.19. 	

Subtask 6-1 Assumptions and Completion Criteria		
PWS Subsection	Completion Criteria	Assumptions
<i>C.3.2.24 Bear Creek Valley White Wing Scrap Yard Record of Decision</i>	<ul style="list-style-type: none"> Complete desired outcome described in ORRCC End State Task Order Section C.3.2.24. 	<ul style="list-style-type: none"> Includes vegetation removal.
<i>C.3.2.26 UEFPC Soils Remedial Action (Select EUs)</i>	<ul style="list-style-type: none"> Complete Remedial Action characterization described in ORRCC End State Task Order Section C.3 for EUs-1A, EU-1B, EU-02, and EU-03. Revise CERCLA documentation (e.g., RDR/RAWP Addendum and Explanation of Significant Differences) as necessary for DOE and regulatory approval. 	<ul style="list-style-type: none"> Evaluation of ROD boundaries and Clean Parcel Determinations and a gap analysis will be performed to ensure no areas exist that are not covered under CERCLA. Planning for remaining EUs will be completed based on OREM/Y-12 priorities and phased approach to soil remedial actions. Sub-EUs will be proposed as appropriate for planning purposes but maintaining EU-wide risk evaluation. Regulatory agreement will be obtained to include EUs 15, 16, and 17 into UEFPC ROD and/or determine as candidates for Clean Parcel Determination. Phased Construction Completion Reports are not required for EU characterization.
<i>C.3.2.27 BCV NT-8 Action Memo and Removal Action</i>	<ul style="list-style-type: none"> Complete regulatory documentation (Action Memorandum, Removal Action Work Plan) in preparation for a CERCLA Removal Action to achieve the desired outcome described in ORRCC End State Task Order Section C.3.2.27. 	<ul style="list-style-type: none"> Technical approach to Removal Action shall not result in the generation of listed RCRA waste (F, P, U, or K codes), nor waste without an identified path to disposal.

Subtask 6-1 Assumptions and Completion Criteria		
PWS Subsection	Completion Criteria	Assumptions
<i>C.5.4.1 Y-12 Surveillance and Maintenance of EM Facilities and Sites</i>	<ul style="list-style-type: none"> • Continue responsibility for operational activities described in ORRCC End State Task Order Section C.5.4.1 through December 24, 2028. 	
<i>C.5.4.2 ORR Water Quality Program</i>	<ul style="list-style-type: none"> • Continue responsibility for operational activities described in ORRCC End State Task Order Section C.5.4.2 through December 24, 2028. • Complete BV RIWP Phase 1 Groundwater work. 	
<i>C.5.5.1 CERCLA Disposal Facilities Management and Operations</i>	<ul style="list-style-type: none"> • Continue operational activities for the EMWMF described in ORRCC End State Task Order Section C.5.5.1 through December 24, 2028. • Complete Remedial Site Evaluation of Bear Creek Valley. 	<ul style="list-style-type: none"> • Operations for the EMDF are not included in this task order. • Includes acquisition of the following equipment following completion of make versus buy decision analysis: <ul style="list-style-type: none"> – 10 units, Power Distribution Center (H14) – 2 units, Ventrac Slope Mower (H37) – 1 unit, CAT D5 LGP (H37) – 1 unit, CAT Mini-Ex (Excavator) 313 (H37) – 1 unit, CAT D6 LGP Dozer (H37) – 1 unit, CAT 966 Loader (H37)
<i>C.5.5.2 ORR Landfills Management and Operations</i>	<ul style="list-style-type: none"> • Continue operational activities for the ORR landfills described in ORRCC End State Task Order Section C.5.5.2 through December 24, 2028. 	

4.0 APPLICABLE DIRECTIVES

In addition to the Directives included in the Master IDIQ Contract, additional Directives are included in Attachment J-2-6-1 to this Subtask.

5.0 INTERFACES

In addition to the Interfaces included in the Master IDIQ Contract, additional Interfaces are included in Attachment J-3-6-1 to this Subtask.

6.0 DELIVERABLES

In addition to the Deliverables included in the Master IDIQ Contract, additional Deliverables are included in Attachment J-7-6-1 to this Subtask.

7.0 GOVERNMENT-FURNISHED SERVICES AND INFORMATION

In addition to the Government-Furnished Services and Information (GFS/I) included in the Master IDIQ Contract, additional GFS/I are included in Attachment J-8-6-1 to this Subtask.

8.0 PERFORMANCE OBJECTIVES AND STANDARDS

Fee will be determined upon completion of the End State requirements in Section 3.0 and work scope/completion criteria as follows:

Subtask 6-1 Y-12 Operations and Cleanup End States	
End State Requirement	Work Scope/Completion Criteria
Complete initial PWS C.3.2.2.1 <i>Beta 4 (9204-4) Complex - Preparation for Demolition</i> activities.	<ul style="list-style-type: none"> • Mobilization. • Cold and dark and temporary power. • Combustible removal, including DOE fire protection walkdowns and removal of checklist items identified during those walkdowns. • Initial Beryllium investigations and cleanup/decontamination. • Structural evaluation of building and compensatory measures, including providing engineering resources to effectively evaluate structural stability. • Procurement and receipt of waste containers for deactivation waste disposal. • Regulatory document preparation and approval; and, • Project management and project support through completion of initial Preparation for Demolition activities.

Subtask 6-1 Y-12 Operations and Cleanup End States	
End State Requirement	Work Scope/Completion Criteria
Complete PWS C.3.2.4.1 <i>Alpha 4 (9201-4) Complex - Characterization</i> end state.	<ul style="list-style-type: none"> • Complete Deactivation Characterization.
Continue C.3.2.4.2 <i>Alpha 4 (9201-4) Complex - Preparation for Demolition</i> to complete Facility Declassification.	<ul style="list-style-type: none"> • Continue to prepare the Alpha-4 Complex for Demolition by completing all remaining sanitization and equipment removal activities to obtain Declassification approval for the facility. • Complete declassification and sanitizing of materials and/or components and disposition of associated waste. • Procure and receive waste containers required for 18-months of deactivation waste disposal.
Complete PWS C.3.2.5.2 <i>Alpha 2 (9201-2) Complex – Preparation for Demolition</i> end state.	<ul style="list-style-type: none"> • Complete Preparation for Demolition end state described in ORRCC End State Task Order Section C.3 and support DOE with obtaining Critical Decision approval for Demolition. • Provide Project management and support through completion of the Preparation for Demolition end state. • Complete exterior asbestos abatement. • Complete disposition of exterior abatement waste.

Subtask 6-1 Y-12 Operations and Cleanup End States	
End State Requirement	Work Scope/Completion Criteria
Complete PWS C.3.2.7.2 <i>Beta 1 (9204-1) Complex</i> – Preparation for Demolition end state.	<ul style="list-style-type: none"> • Complete Preparation for Demolition end states described in ORRCC End State Task Order Section C.3, including stabilization of basement areas with CLSM in preparation for demolition and supporting DOE with obtaining CD approval for Demolition, if applicable. • Complete stabilization of the basement/below-grade spaces and areas where slab has been removed to support demolition equipment and safety requirements for future building demolition. • Complete necessary coordination activities with CNS/Y-12 to ensure requisite utility reroutes are completed to enable future demolition of Beta-1. • Provide Project management and support through completion of the Preparation for Demolition end state.
Complete PWS C.3.2.17.3 <i>9401-01 Facility</i> – Demolition end state.	<ul style="list-style-type: none"> • Complete Demolition end state described in ORRCC End State Task Order Section C.3 to achieve the desired outcome described in ORRCC End State Task Order Section C.3.2.17. • Complete building demolition to slab and complete shipping and disposal of all building waste debris/materials. • Complete any additional water management as necessary. • Place remaining slab and demolition area into a safe condition, removing or improving berms, if necessary for maintaining safe conditions. • Install riprap or gravel for stormwater management if necessary and to place the site in a safe condition for potential future RA work or use by Y-12.
Complete PWS C.3.2.19 <i>BCV Burial Ground Record of Decision</i> end state.	<ul style="list-style-type: none"> • Complete desired outcome described in ORRCC End State Task Order Section C.3.2.19.

Subtask 6-1 Y-12 Operations and Cleanup End States	
End State Requirement	Work Scope/Completion Criteria
Complete PWS C.3.2.24 <i>Bear Creek Valley White Wing Scrap Yard Record of Decision</i> end state.	<ul style="list-style-type: none"> Complete desired outcome described in ORRCC End State Task Order Section C.3.2.24.
Continue PWS C.3.2.26 <i>UEFPC Soils Remedial Action</i> regulatory documentation and characterization of select exposure units (EUs).	<ul style="list-style-type: none"> Complete Remedial Action characterization described in ORRCC End State Task Order Section C.3 for EUs-1A, EU-1B, EU-02, and EU-03. Obtain regulatory approval of a Technical Memorandum for each EU. Revise CERCLA documentation (e.g., RDR/RAWP Addendum and Explanation of Significant Differences) as necessary for DOE and regulatory approval.
Continue PWS C.3.2.27 <i>BCV NT-8 Action Memo and Removal Action</i> through approval of the Action Memorandum and Removal Action Work Plan.	<ul style="list-style-type: none"> Complete regulatory documentation (Action Memorandum, Removal Action Work Plan) in preparation for a CERCLA Removal Action to achieve the desired outcome described in ORRCC End State Task Order Section C.3.2.27.
Continue PWS C.5.4.1 <i>Y-12 Surveillance and Maintenance of EM Facilities and Sites</i> through December 24, 2028.	<ul style="list-style-type: none"> Continue responsibility for operational activities described in ORRCC End State Task Order Section C.5.4.1 through December 24, 2028.
Continue PWS C.5.4.2 <i>ORR Water Quality Program</i> through December 24, 2028.	<ul style="list-style-type: none"> Continue responsibility for operational activities described in ORRCC End State Task Order Section C.5.4.2 through December 24, 2028. Complete BV RIWP Phase 1 Groundwater work.
Continue PWS C.5.5.1 <i>CERCLA Disposal Facilities Management and Operations</i> through December 24, 2028.	<ul style="list-style-type: none"> Continue operational activities for the EMWMF described in ORRCC End State Task Order Section C.5.5.1 through December 24, 2028. Complete Remedial Site Evaluation of Bear Creek Valley.
Continue PWS C.5.5.2 <i>ORR Landfills Management and Operations</i> through December 24, 2028.	<ul style="list-style-type: none"> Continue operational activities for the ORR landfills described in ORRCC End State Task Order Section C.5.5.2 through December 24, 2028.

In addition, the performance requirements, made up of objectives and respective standards, for this Subtask will be used to determine quality of performance in CPARS evaluation and PMI, as applicable. The performance objectives and standards are as follows:

Subtask Number and Description	
Objectives	Standard
Safety and Operational Performance	See ORRCC PMI Plan
Meeting Regulatory or Court Ordered Milestones	See ORRCC PMI Plan
Quality Assurance Performance per Section C and Section E Clause FAR 52.246-11, where Continuous Monitoring and Performance Improvement are Evident	See ORRCC PMI Plan
Maintaining the Operability of Facilities and Other Infrastructure throughout the Performance Period such that Degradation is Addressed to Prevent Mission Impact	See ORRCC PMI Plan
Management of the Contractor's team, including teaming subcontractors to ensure efficient and effective partnering with the Government and all parties;	See ORRCC PMI Plan
Establishment, maintenance, and implementation of sound business systems to ensure efficient and effective business management performance in a complex IDIQ task order environment	See ORRCC PMI Plan
IDIQ management, including timely, good faith and fair dealings in conducting negotiations with DOE with the goal of a reasonable outcome, including equitable risk sharing, for all parties	See ORRCC PMI Plan

Section D – Packaging and Marking

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

Section E – Inspection and Acceptance

In addition to the following requirements, Section E of the Master IDIQ Contract is incorporated by reference:

E.1 Inspection and Acceptance Delegation

In accordance with Clause E.2, DOE-E-2001, Inspection and Acceptance, the Contracting Officer assigns inspection and acceptance of all items to the Contracting Officer's Representative; however, the Contracting Officer's Representative is not authorized to accept nonconforming items or services.

Section F – Deliveries or Performance

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

F.3 Period of Performance

- (a) The overall Subtask Period of Performance (POP) is from November 27, 2023, through January 21, 2032. The Contractor is expected to accomplish all of the completion criteria as defined in Section C within and/or at the end of the Subtask period of performance (POP).
- (b) The Contractor shall not be paid for work performed or costs incurred prior to the Subtask effective date, unless specifically authorized by the Contracting Officer.

Section G – Contract Administration Data

Section G of the Master IDIQ Contract is incorporated by reference in addition to the following:

G.1 Subtask Administration

To promote timely and effective contract administration, correspondence delivered to the Government under this Subtask, shall reference the contract number, Task Order number, Subtask number, and subject matter, and shall be subject to the following procedures:

- (a) Technical correspondence. Technical correspondence shall be addressed to the COR for this Subtask, and a copy of any such correspondence shall be sent to the CO for this Subtask, with an informational copy to the Contract COR and Contract CO. As used herein, technical correspondence does not include correspondence where patent or rights in data issues are involved, nor technical correspondence that proposes or involves waivers, deviations, or modifications to the requirements, terms, or conditions of this Contract.

(b) Information regarding correspondence addresses and contact information will be provided through official correspondence:

(1) Subtask Contracting Officer

(A) Name: John Phelps

(B) Telephone number: 865-576-1147

(C) Address: U.S. Department of Energy

Oak Ridge Office of Environmental Management

200 Administration Road

Oak Ridge, TN 37830

(D) Email address: john.phelps@orem.doe.gov

(E) Name: Karen Shears

(F) Telephone number: 865-241-6411

(G) Address: U.S. Department of Energy

Oak Ridge Office of Environmental Management

200 Administration Road

Oak Ridge, TN 37830

(H) Email address: karen.shears@orem.doe.gov

(2) Subtask Contracting Officer's Representative

(A) Name: Brian Henry

(B) Telephone number: 865-241-8340

(C) Address:

U.S. Department of Energy

Oak Ridge Office of Environmental Management

200 Administration Road

Oak Ridge, TN 37830

(D) Email address: Brian.Henry@orem.doe.gov

Section H – Special Contract Requirements

In addition to the following requirements, Section H of the Master IDIQ Contract is incorporated by reference:

None.

Section I – Contract Clauses

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

Section J – List of Documents, Exhibits, and Other Attachments

In addition to the following requirements, Section J of the Master IDIQ Contract is incorporated by reference:

1. Attachment J-2 – Directives

In addition to the following requirements, Attachment J-2 of the Master IDIQ Contract is incorporated by reference:

None.

2. Attachment J-3 – Interfaces

Attachment J-3-6-1 includes the following Site Services and Interface Requirements that are specific to this Subtask:

Attachment J-3-6-1, Subtask 6-1 Site Services and Interface Requirements	
Category	Description of Interface
Operational Responsibility	<p>DOE/NNSA will NOT reassign operational responsibility from the respective site M&O Contractor to the ORRCC Contractor prior to authorized start of Subtask 6-1 cleanup activities of the Beta-4 non-EM-owned structures/areas. OREM acceptance of Operational Responsibility for Beta-4 is planned to be phased per the following schedule:</p> <ul style="list-style-type: none"> • 0 - 3 months: No Beta-4 Complex access; the Contractor shall perform paperwork only in preparation for characterization and preparation for demolition. This scope is authorized to proceed following approval of Memorandum of Agreement between OREM and NNSA. • 3 -6 months: No Beta-4 Complex operational responsibility for interior; mobilization of some infrastructure outside the facility. This scope will be authorized by separate notice to proceed. • 6-9 months: Limited Beta-4 Complex operational responsibility; interior access to prepare Cold & Dark indexes. This scope will be authorized by separate notice to proceed. • 9 months+: Beta-4 Complex operational responsibility for characterization and preparation for demolition. This scope will be authorized by separate notice to proceed.

Attachment J-3-6-1, Subtask 6-1 Site Services and Interface Requirements	
Category	Description of Interface
	<p>Prior to the transfer of operational responsibility, all entries into the facility by Contractor personnel shall be under CNS escort processes and procedures.</p> <p>Activities funded by the National Nuclear Security Administration (NNSA), the Program Owner of the Beta-4 Facility, shall be accounted for separately in accordance with requirements of cost-sharing agreement established between OREM and NNSA.</p>
Y-12 Perimeter Intrusion Detection and Assessment System (PIDAS)	<p>The Y-12 site M&O Contractor will reconfigure the PIDAS to exclude the Beta 4 and Alpha 5 Complexes to facilitate cleanup work with uncleared workers after authorization of Subtask 6-1. The Beta-4 facility complex will be accessible outside of PIDAS in October 2025 with limited work occurring inside PIDAS before West End Protected Area Reduction (WEPAR) completion.</p> <p>To offset cost impacts associated with working inside PIDAS, OREM and the National Nuclear Security Administration (NNSA), the Program Owner of the Beta-4 Facility, will establish a cost-sharing agreement. A portion of the authorized scope will be funded by NNSA. Activities funded by NNSA shall be accounted for separately in accordance with requirements of the cost-sharing agreement.</p>

3. Attachment J-5 – Small Business Subcontracting Goals

The following goals for this Subtask are appended to the Master Small Business Subcontracting Plan:

Table J-5-6-1a. Subtask Small Business Subcontracting Goals

Category	Total to be Subcontracted (\$)	Minimum Small Business Goals as a percent of total subcontracted dollars
Total Subcontracted	\$151,617,306	
Total Small Business Subcontracts	\$68,227,788	45%
Veteran-Owned Small Business (VOSB)	\$4,548,519	3%
Service-Disabled Veteran-Owned Small Business (SDVOSB)	\$4,548,519	3%
Historically Underutilized Business Zone (HUBZone)	\$4,548,519	3%
Small Disadvantaged Business	\$7,580,865	5%
Women-owned Small Business	\$7,580,865	5%

In accordance with Clause H.52, Subcontracted Work, Government-Provided Costs for Reservation Management and Post-Retirement Benefits and Long-Term Disability and Pension Contribution, and costs for the site usage fees provided to other site contractors are included in the Subtask value, but not included in the cumulative Subtask value for subcontracting goals, are provided in Table J-5-6-1b.

Table J-5-6-1b. Government-Provided Costs Not Included in Subcontracting Goals

Reservation Management	N/A
Post-Retirement Benefits and Long-Term Disability and Pension Contribution	N/A
Site Usage Fees	N/A
Services Acquired under Parent Organization Support Plan	\$860,656

4. Attachment J-7 – Deliverables

Attachment J-7-6, includes the following additional deliverables for this Subtask:

Attachment J-7-6. Subtask Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response 1	Reference
T6-001	Subtask Performance Measurement Baseline	Final Within 30 days of Subtask issuance	Approve – 30 days	Section C.6.1.1, <i>Project Support Performance Requirements</i> Section H.51, <i>Task Ordering Procedure</i>
T6-002	Integrated Master Schedule	Final Within 30 days of Subtask issuance	Approve – 30 days	Section C.6.1.1, <i>Project Support Performance Requirements</i> Section H.51, <i>Task Ordering Procedure</i>
T6-003	Subtask Metrics and Milestone Plan	Final Within 30 days of Subtask issuance	Approve – 30 days	Section C.6.1.1, <i>Project Support Performance Requirements</i> Section H.51, <i>Task Ordering Procedure</i>
T6-004	Waste Generation Forecast	Final Within 30 days of Subtask issuance	Approve – 30 days	Section C.6.2.8, <i>Waste Management</i>
T6-005	Draft DOE Order 435.1 Annual Summary Report for EMWMF and EMDF to DOE for Review	Annually by January 17	Review – 30 days	C.5.5.1, EMWMF and EMDF

Attachment J-7-6. Subtask Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response 1	Reference
T6-006	DOE Order 435.1 Annual Summary Report for EMWMF and EMDF to DOE for Approval	Annually by March 17	Approve – 180 days	C.5.5.1, EMWMF and EMDF
T6-013	Beta-1 Deactivation PCCR, D1 to DOE	Within 60 days of facility deactivation completion	**	Section C.3.2.7, <i>Beta-1 (9204-1) Complex</i> CERCLA and FFA
T6-014	Beta-4 Addenda for Pre-demolition to <i>Removal Action Work Plan for Y-12 Facilities Deactivation/Demolition Project</i> , D1 to DOE	4/6/2028	**	Section C.3.2.2, <i>Beta-4 (9204-4) Complex Char/Demo Prep</i> CERCLA and FFA
T6-016	Y-12 UEFPC Soils EU-1A Technical Memorandum, D1 to DOE	6/7/2029	**	Section C.3.2. 26 <i>UEFPC Soils Remedial Action (Select EUs)</i> CERCLA and FFA
T6-017	Y-12 UEFPC Soils EU-1B Technical Memorandum, D1 to DOE	2/14/2028	**	Section C.3.2. 26 <i>UEFPC Soils Remedial Action (Select EUs)</i> CERCLA and FFA
T6-018	Y-12 UEFPC Soils EU-02 Technical Memorandum, D1 to DOE	5/25/2027	**	Section C.3.2. 26 <i>UEFPC Soils Remedial Action (Select EUs)</i> CERCLA and FFA
T6-019	Y-12 UEFPC Soils EU-03 Technical Memorandum, D1 to DOE	10/21/2027	**	Section C.3.2. 26 <i>UEFPC Soils Remedial Action (Select EUs)</i> CERCLA and FFA

Attachment J-7-6. Subtask Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response 1	Reference
T6-022	NT-8 RmAWP D1 to DOE	7/30/2024	**	Section C.3.2.27, <i>NT-8 Action Memorandum and Removal Action</i> CERCLA and FFA
T6-024	BV Final GW ROD RIWP - New Corehole 8 Wells Installation Completion	By Q2 FY 2025	None	Section C.5.4.2, <i>ORR Water Quality Program</i> CERCLA and FFA
T6-025	CERCLA Five Year Review, D1 to DOE	*Annually	**	Section C.5.4.2, <i>ORR Water Quality Program</i> CERCLA and FFA
T6-026	Bear Creek Valley Burial Ground RI/FS (revision), D1 to DOE	RI 1/14/2027 FS 8/27/2027	**	C.3.2.19 <i>BCV Burial Ground Record of Decision</i> CERCLA and FFA
T6-027	Bear Creek Valley Burial Ground PP (revision), D1 to DOE	1/3/2029	**	C.3.2.19 <i>BCV Burial Ground Record of Decision</i> CERCLA and FFA
T6-028	Bear Creek Valley Burial Ground ROD, D1 to DOE	4/11/2030	**	C.3.2.19 <i>BCV Burial Ground Record of Decision</i> CERCLA and FFA
T6-030	White Wing Scrap Yard RI/FS, D1 to DOE	RI 4/27/2026 FS 2/11/2027	**	C.3.2.24 <i>Bear Creek Valley White Wing Scrap Yard Record of Decision</i> CERCLA and FFA

Attachment J-7-6. Subtask Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response 1	Reference
T6-031	White Wing Scrap Yard PP, D1 to DOE	3/30/2028	**	C.3.2.24 <i>Bear Creek Valley White Wing Scrap Yard Record of Decision</i> CERCLA and FFA
T6-032	White Wing Scrap Yard ROD, D1 to DOE	5/24/2029	**	C.3.2.24 <i>Bear Creek Valley White Wing Scrap Yard Record of Decision</i> CERCLA and FFA
T6-037	Facility 9401-01 PCCR, D1 to DOE	Within 60 days of facility demolition completion	**	Section C.3.2.17, <i>9401-01 Facility</i> CERCLA and FFA
T6-039	Y-12 UEFPC Soils ROD Explanation of Significant Difference	11/1/2024	**	Section C.3.2. 26 <i>UEFPC Soils Remedial Action (Select EUs)</i> CERCLA and FFA
T6-040	Bear Creek Valley Mercury Source Remedial Site Evaluation D1 to DOE	9/23/2024	**	C.5.5.1, EMWMF and EMDF CERCLA and FFA

Attachment J-7-6. Subtask Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response 1	Reference
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¹The DOE action is defined as follows:

- **Approve** – The Contractor shall provide the deliverable to DOE for review and approval. DOE will review the deliverable and provide comments or approval as submitted. If necessary, the Contractor shall revise the document to incorporate mandatory DOE comments and resubmit for DOE approval. Once approved by DOE, the deliverable shall be placed under change control with changes requiring DOE approval. It is not intended that editorial changes or corrections that do not alter commitments would require new DOE approval.
- **Review** – The Contractor shall provide the deliverable to DOE for review. The DOE will review the information and will provide comments, as necessary. If necessary, the Contractor shall revise the document to incorporate mandatory DOE comments.
- **Information** – The Contractor shall provide the deliverable for information purposes only. DOE will review the information and may provide comments. Such comments do not require resolution under the Contract.

Acronyms:

AM	Action Memorandum	PCCR	Phased Construction Completion Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980	PP	Proposed Plan
D&D	Demolition Preparation & Demolition	RA	Remedial Action
DOE	Department of Energy	RAR	Remedial Action Report
DSA	Documented Safety Analysis	RAWP	Remedial Action Work Plan
EE/CA	Engineering Evaluation/Cost Analysis	RDR	Remedial Design Report
EMDF	Environmental Management Disposal Facility	RDWP	Remedial Design Work Plan
		RI/FS	Remedial Investigation/Feasibility Study
		RIWP	Remedial Investigation Work Plan
EMWMF	Environmental Management Waste Management Facility	RmAWP	Removal Action Work Plan
		RmAR	Removal Action Report
EU	Exposure Unit	ROD	Record of Decision
FFA	Federal Facility Agreement	TBD	To be Determined
FFS	Focused Feasibility Study		
MOA	Memorandum of Agreement	TM	Technical Memorandum
NPO	National Nuclear Security Administration Production Office		
		UEFPC	Upper East Fork Poplar Creek
NT-8	North Tributary-8		
OREM	Oak Ridge Office of Environmental Management		

*** DOE and Regulatory Actions to follow the standard schedule protocol for primary and secondary documents established per the FFA.*

5. Attachment J-8 - Government-Furnished Services and Information (GFS/I)

Attachment J-8-6-1 includes the following additional GFS/I for this Subtask:

Attachment J-8-6-1, Subtask Specific GFS/I	
GFS/I	REQUIREMENT
Y-12/CNS utility re-routes required for enduring site mission	DOE will provide utility re-routes required for Y-12 enduring site missions as follows for applicable PWS sections included in the task order scope: <ul style="list-style-type: none"> • PWS C.3.2.17, 9401-01 Facility by 8/12/2024.
National Historic Preservation approval to proceed with demolition.	DOE will obtain approval from the State Historic Preservation Office by 7/16/2024 as required to proceed with the following PWS subsections included in the task order scope: <ul style="list-style-type: none"> • PWS C.3.2.17.3, 9401-01 Facility – Demolition.

Appendix B.2, Subtask 6-1 Fee Model

Fee Model						
Target Cost (Direct)	\$	343,207,500				
Task Order Non-Fee Bearing Cost	\$	2,144,375				
Task Order Fee Bearing Target Cost	\$	341,063,125				
	Fee Calculations					
		Percentages	Amounts			
Min Fee		0.00%	\$	-		
Target Fee		8.00%	\$	27,285,050		
Max Fee		15.00%	\$	51,159,469		
Fee Description		Percentages	Min Fee*	Target Fee	Max Fee	
PMI		30.00%	\$	-	\$ 8,185,515	\$ 15,347,841
Cost		21.00%	\$	-	\$ 5,729,861	\$ 10,743,488
Schedule		7.00%	\$	-	\$ 1,909,954	\$ 3,581,163
Performance		42.00%	\$	12,513,299	\$ 15,776,455	\$ 21,486,977
Total		100.00%	\$	12,513,299	\$ 31,601,784	\$ 51,159,469

*Performance milestones minimum and target are not calculated by a formula, which exceeds the minimum and target calculations above. Fee is not eligible for award after the TO Period of Performance.

i. Cost Incentive				
Contractor Share			21.00%	
30%				
Cost incentive portion of C,S,P Incentive Fee		Min Fee	Target Fee	Max Fee
Cost Incentive Range	\$	-	\$ 5,729,861	\$ 10,743,488
Final Cost for Fee Earning*	\$	360,162,660	\$ 341,063,125	\$ 324,351,032

*Provided as a range, actual fee earned will be calculated based on final cost at completion.

ii. Schedule Incentive				
Schedule incentive portion of C,S,P Incentive Fee		Fieldwork Fee %	Regulatory Paperwork Fee %	7.00%
		67%	33%	
		Min Fee	Target Fee	Max Fee
Schedule Incentive Range - Fieldwork (67%)	\$	-	\$ 1,273,302	\$ 2,387,442
Schedule Incentive Range - Paperwork - Reg (33%)	\$	-	\$ 636,651	\$ 1,193,721
Schedule Incentive Range	\$	-	\$ 1,909,954	\$ 3,581,163
Completion Date for Fee Earning-Fieldwork		N/A	9/7/2027	3/11/2027
Completion Date for Fee Earning-Paperwork-Reg		N/A	1/21/2032	7/25/2031

Note the fee amount will be calculated on a prorated daily basis from the max fee due date through the target fee due date. No fee will be available beyond the target fee due date.

iii. Performance Incentive			
Performance incentive portion of C,S,P Incentive Fee	Interim Fee % 70%	Endstate Fee % 30%	42.00%
	Min Fee	Target Fee	Max Fee
Performance Incentive Range Interim	\$ 10,794,341	\$ 12,338,538	\$ 15,040,884
Performance Incentive Range Endstate	\$ 1,718,958	\$ 3,437,916	\$ 6,446,093
Performance Incentive Range	\$ 12,513,299	\$ 15,776,455	\$ 21,486,977

TO-06 Subtask 1 Interim Fee (70%)								
Interim/Progress Fee	Min Fee Due Date	Target Fee Due Date	Max Fee Due Date	Weighting	Complete Date (TBD)	Minimum Available Fee Amount	Target Fee Available Fee Amount	Max Fee Available Fee Amount
Strategic Plan for UEFPC ROD EU Boundary Changes/RAWP Addendum		7/31/2024		3.00%		\$ 451,227	\$ 451,227	\$ 451,227
UEFPC Phase II ROD ESD		10/1/2024		3.00%		\$ 451,227	\$ 451,227	\$ 451,227
UEFPC EU-1A D2 Tech Memo Approval		1/9/2030		3.00%		\$ 451,227	\$ 451,227	\$ 451,227
UEFPC EU-1B D2 Tech Memo Approval		9/12/2028		3.00%		\$ 451,227	\$ 451,227	\$ 451,227
UEFPC EU-2 D2 Tech Memo Approval		12/27/2028		3.00%	N/A	\$ 451,227	\$ 451,227	\$ 451,227
UEFPC EU-3 D2 Tech Memo Approval		5/23/2028		4.00%		\$ 601,635	\$ 601,635	\$ 601,635
NT-8 RmAWP D1		9/30/2024		1.50%	N/A	\$ 225,613	\$ 225,613	\$ 225,613
BCBG RIWP D1		10/9/2024		1.50%		\$ 225,613	\$ 225,613	\$ 225,613
BCBG RI & FS D1		9/13/2027		1.50%	N/A	\$ 225,613	\$ 225,613	\$ 225,613
BCBG Proposed Plan D1		1/3/2029		1.50%		\$ 225,613	\$ 225,613	\$ 225,613
BCBG ROD D1		4/11/2030		2.50%	N/A	\$ 376,022	\$ 376,022	\$ 376,022
WWSY RIWP D1		2/22/2024		1.50%		\$ 225,613	\$ 225,613	\$ 225,613
WWSY RI & FS D1		2/11/2027		1.50%	N/A	\$ 225,613	\$ 225,613	\$ 225,613
WWSY Proposed Plan D1		4/6/2028		1.50%	N/A	\$ 225,613	\$ 225,613	\$ 225,613
WWSY ROD D1	9/29/2029	6/1/2029	12/3/2028	2.50%	N/A	\$ 100,273	\$ 200,545	\$ 376,022
Alpha-2 Preparation for Demolition Complete		10/15/2024		3.00%	N/A	\$ 451,227	\$ 451,227	\$ 451,227
Alpha 2 Demo CD-2/3 Approval	7/1/2024	6/1/2024	4/17/2024	1.50%		\$ 60,164	\$ 120,327	\$ 225,613
Beta-1 Preparation for Demolition Complete	10/19/2025	8/20/2025	5/22/2025	10.50%		\$ 421,145	\$ 842,289	\$ 1,579,293
Beta-4 RmAWP D1		4/6/2028		3.50%		\$ 526,431	\$ 526,431	\$ 526,431
Beta-4 Cold and Dark Complete		7/7/2026		10.50%		\$ 1,579,293	\$ 1,579,293	\$ 1,579,293
Beta 4 Initial Be Decon Complete		10/7/2025		8.50%	N/A	\$ 1,278,475	\$ 1,278,475	\$ 1,278,475
Alpha 4 Declassification Complete	1/5/2028	9/7/2027	3/11/2027	24.00%		\$ 962,617	\$ 1,925,233	\$ 3,609,812
9401-1 Demolition Complete		11/30/2027		4.00%		\$ 601,635	\$ 601,635	\$ 601,635
Total				100%		\$ 10,794,341	\$ 12,338,538	\$ 15,040,884

*Activity not based on a date for award amount. However, fee is not eligible for award after the TO Period of Performance.

Performance Milestones

ORRCC PERFORMANCE MILESTONE No. 6-01
Title: Strategic Plan for UEFPC ROD EU Boundary Changes/RAWP Addendum
Incentive Fee Amount: Refer to Performance Incentive Milestones
Fee Structure: Activity Completion
Desired Endpoint/Outcome: Agreement on strategic planning map with subdivided EUs.
Fee Bearing Milestone: The Contractor shall earn fee upon submittal of the D1 RAWP Addendum.
Work scope/completion criteria:
Specific activities required to satisfy this milestone are:
<ul style="list-style-type: none">• Submittal of draft strategic plan for EU boundary changes• Coordination with and agreement from DOE on EU boundary changes.• Development and submittal of the D1 RAWP Addendum to adjust the EU boundaries to facilitate cleanup of the UEFPC ROD area.
Completion date: Refer to Performance Incentive Milestones
This milestone is associated with PWS C.3.2.26.
Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-02**

Title: UEFPC Phase II ROD ESD

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Submittal of D1 Upper East Fork Poplar Creek ROD Explanation of Significant Differences.

Fee Bearing Milestone: The Contractor shall earn fee upon transmittal of the D1 UEFPC ROD ESD.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Submittal of draft UEFPC ROD ESD to add EUs.
- Coordination with and agreement from DOE on EU additions.
- Development and submittal of the D1 UEFPC ROD ESD to add EUs to facilitate cleanup of the UEFPC ROD area.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.26.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-03**

Title: UEFPC EU-1A D2 Tech Memo Approval

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary activities for the EU-1A technical memorandum approval.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all activities to obtain the EU-1A technical memorandum approval.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Characterize EU-1A per an approved sampling work plan (including data analysis and validation)
- Complete and submit all necessary technical memorandum documents and/or revisions to obtain regulatory approval.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.26.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-04**

Title: UEFPC EU-1B D2 Tech Memo Approval

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary activities for the EU-1B technical memorandum approval.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all activities to obtain the EU-1B technical memorandum approval.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Characterize EU-1B per an approved sampling work plan (including data analysis and validation)
- Complete and submit all necessary technical memorandum documents and/or revisions to obtain regulatory approval.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.26.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-05**

Title: UEFPC EU-2 D2 Tech Memo Approval

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary activities for the EU-2 technical memorandum approval.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all activities to obtain the EU-1B technical memorandum approval.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Characterize EU-2 per an approved sampling work plan (including data analysis and validation)
- Complete and submit all necessary technical memorandum documents and/or revisions to obtain regulatory approval.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.26.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-06**

Title: UEFPC EU-3 D2 Tech Memo Approval

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary activities for the EU-3 technical memorandum approval.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all activities to obtain the EU-1B technical memorandum approval.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Characterize EU-3 per an approved sampling work plan (including data analysis and validation)
- Complete and submit all necessary technical memorandum documents and/or revisions to obtain regulatory approval.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.26.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-07**

Title: NT-8 RmAWP D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the NT-8 RmAWP D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the NT-8 Removal Action Work Plan D1.

Work scope/completion criteria: Work will be completed upon comment incorporation of DOE's comments on the D0 version of the NT-8 RmAWP and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.27.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-08**

Title: BCBG RIWP D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the BCBG RIWP D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the Bear Creek Burial Ground Remedial Investigation Work Plan D1.

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version of the BCBG RIWP and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.19.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-09**

Title: BCBG RI & FS D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the BCBG RI & FS D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the Bear Creek Burial Ground Remedial Investigation and Feasibility Study D1(s).

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version(s) of the BCBG RI & FS and delivery and acceptance by DOE of the D1 version(s).

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.19.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-10**

Title: BCBG Proposed Plan D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the BCBG Proposed Plan D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the Bear Creek Burial Ground Proposed Plan D1.

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version of the BCBG Proposed Plan and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.19.

Completion document: DOE Verification with written documentation, including As-Builts, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-11**

Title: BCBG ROD D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the BCBG ROD D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the Bear Creek Burial Ground Record of Decision D1.

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version of the BCBG ROD and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.19.

Completion document: DOE Verification with written documentation, including As-Builts, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-12**

Title: WWSY RIWP D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the WWSY RIWP D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the White Wing Scrap Yard Remedial Investigation Work Plan D1.

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version of the WWSY RIWP and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.24.

Completion document: DOE Verification in accordance with Section IV of this PEMP, with written documentation, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-13**

Title: WWSY RI & FS D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the WWSY RI & FS D1(s).

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the White Wing Scrap Yard Remedial Investigation and Feasibility Study D1(s).

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version(s) of the WWSY RI & FS and delivery and acceptance by DOE of the D1 version(s).

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.24.

Completion document: DOE Verification with written documentation, including as-builts, submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-14**

Title: WWSY Proposed Plan D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the WWSY Proposed Plan D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the White Wing Scrap Yard Proposed Plan D1.

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version of the WWSY Proposed Plan and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones
This milestone is associated with PWS C.3.2.24.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-15**

Title: WWSY ROD D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Target Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the WWSY ROD D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the White Wing Scrap Yard D1.

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version of the WWSY ROD and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones
This milestone is associated with PWS C.3.2.24.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-16**

Title: Alpha-2 Preparation for Demolition Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all preparation for demolition activities necessary to begin demolition Building Alpha 2.

Fee Bearing Milestone: The Contractor shall earn fee upon the completion of all preparation for demolition activities necessary to begin demolition Building Alpha 2.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Completion includes basement deactivation, CLSM placement complete, Exterior Asbestos abated and packaged.
- Related waste has been shipped or partly filled waiting for additional waste from the next phase for efficiency and cost savings.
- Alpha 2 building (or a portion of the building) has been condemned in preparation for demolition.

Note: Excludes exterior asbestos abatement associated with the steam line reroute or abatement that is restricted by the reroute efforts.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.5.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-17**

Title: Alpha 2 Demo CD-2/3 Approval

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Target Completion

Desired Endpoint/Outcome: Project Management Executive (PME) CD-2/3 approval is issued for the performance baseline and to begin demolition of Alpha 2.

Fee Bearing Milestone: The Contractor shall earn fee upon the PME CD-2/3 approval for Alpha 2 demolition.

Work scope/completion criteria: Receipt of PME CD-2/3 approval.

Completion date: Refer to Performance Incentive Milestones
This milestone is associated with PWS C.3.2.5.

Completion document: DOE Verification with written documentation, submitted by UCOR and acceptance by DOE of work completion.

ORRCC
PERFORMANCE MILESTONE
No. 6-18

Title: Beta-1 Preparation for Demolition Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Target Completion

Desired Endpoint/Outcome: Completion of all preparation for demolition activities necessary to begin demolition of Beta-1.

Fee Bearing Milestone: The Contractor shall earn fee upon the completion of all preparation for demolition activities necessary to begin demolition Building Beta-1.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Completion includes basement deactivation, CLSM placement complete, Exterior Asbestos abated and packaged.
- Related waste has been shipped or partly filled waiting for additional waste from the next phase for efficiency and cost savings.
- Beta-1 building (or a portion of the building) has been condemned in preparation for demolition.

Note: Excludes exterior asbestos abatement associated with the steam line reroute or abatement that is restricted by the reroute efforts.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.7.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-19**

Title: Beta-4 RmAWP Addendum D1 Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of all necessary documents/activities for the Beta-4 RmAWP Addendum D1.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of all documents/activities associated with the Beta 4 Removal Action Work Plan Addendum D1.

Work scope/completion criteria:

Work will be completed upon comment incorporation of DOE's comments on the D0 version of the Beta-4 RmAWP Addendum and delivery and acceptance by DOE of the D1 version.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.2.

Completion document: DOE Verification with written documentation, submitted by UCOR.

**ORRCC
PERFORMANCE MILESTONE
No. 6-20**

Title: Beta-4 Complex Cold and Dark Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of Cold and Dark activities. The specific activities to be completed by the Contractor to earn fee are as follows:

- Complete external mechanical isolations of the Beta-4 Complex.
- Complete electrical and mechanical air gaps internal to the Beta-4 Complex.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of the activities described above.

Work scope/completion criteria:

Contractor will complete Cold and Dark of the Beta-4 Complex.

- Verification of Isolations Letter for Cold and Dark completion.

Note: The facilities included in the Beta-4 Complex are defined under PWS C.3.2.2. Excludes any utilities that CNS requires to be activated that pass through or attached to the building(s).

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.2.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-21**

Title: Beta 4 Initial Be Decon Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of initial Beryllium investigations and cleanup/decontamination to support ramp up of preparation for demolition activities.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of initial Beryllium characterization and decontamination efforts.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Includes initial Beryllium Facility Characterization to identify the Beryllium Areas in the facility.
- Completion of the initial decontamination effort of the identified Beryllium Areas to shrink the beryllium footprint to allow more efficient access to the facility to support future preparation for demolition activities.
- Disposition of waste generated in support of the characterization and decontamination efforts.

Note: Does not include decontamination, any removals to completely down post all of the facilities BCA and BRAs. Related waste has been shipped or partly filled waiting for additional waste from the next phase for efficiency and cost savings.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.2.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-22 (CANCELLED, MOD P00028)**

Title: Alpha 4 Process Equipment Characterization Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: TBD

Desired Endpoint/Outcome: Characterization of all equipment to be disposed of in support of desensitization efforts.

Fee Bearing Milestone: The Contractor shall earn fee upon implementation of the characterization effort.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Complete Characterization required to dispose of equipment for desensitization efforts.

Note: Excludes other deactivation characterization efforts (Asbestos, waste etc..) and building characterization not associated with the desensitization effort.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.4.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-23**

Title: Alpha 4 Declassification Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Target Completion

Desired Endpoint/Outcome: Declassification of Alpha 4 is complete such that uncleared workers can perform all deactivation and demolition work once the building is outside PIDAS.

Fee Bearing Milestone: The Contractor shall earn fee upon approval of the declassification of the Alpha 4 building in its entirety.

Work scope/completion criteria:

Specific activities required to satisfy this milestone are:

- Physical work to declassify items completed and waste packaged and shipped.
- Complete walkdown with CNS to verify that the facility has been properly declassified and ready for uncleared personnel.
- Obtain OREM security approval that the facility has been properly declassified.

Completion date: Refer to Performance Incentive Milestones
This milestone is associated with PWS C.3.2.4.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

**ORRCC
PERFORMANCE MILESTONE
No. 6-24**

Title: 9401-1 Demolition Complete

Incentive Fee Amount: Refer to Performance Incentive Milestones

Fee Structure: Activity Completion

Desired Endpoint/Outcome: Completion of Building 9401-1 demolition including waste shipment to the appropriate disposal facility.

Fee Bearing Milestone: The Contractor shall earn fee upon completion of Building 9401-1 demolition and disposition of demolition waste.

Work scope/completion criteria: Contractor success is reached once demolition of Building 9401-1 and waste shipments are complete.

Completion date: Refer to Performance Incentive Milestones

This milestone is associated with PWS C.3.2.17.

Completion document: Physical walkdown of site with written documentation submitted by UCOR and acceptance by DOE of work completion.

Appendix B.9, Subtask 6-1 Fee Risk Ownership

The identification of fee risk ownership for both the Government and the Contractor is set forth below.

Subtask 6-1 Fee Risk Ownership				
Risk ID	Title	Statement of Event	Type	Owner
TO-6-03	Ineffective Execution	If project management execution is not effective, in that other DOE program offices contractors or EM prime contractors, or other agreements established under Memorandum of Agreement(s) cannot fulfill DOE's commitments to UCOR, then Subtask schedule and cost performance may be impacted.	Risk	DOE
TO-6-04	Changes in Security Requirements	If federal security requirements increase, then Subtask cost and schedule performance may be impacted.	Risk	DOE
TO-6-05	Transportation Interruption	If another DOE prime contractor causes a waste transportation event on the reservation (e.g., spread of contamination) that results in a shutdown of waste transportation, it could impact Subtask cost and schedule performance.	Risk	DOE
TO-6-07	Designated Landfills Unavailable	If waste disposal facilities are not available when needed for waste disposal (e.g., due to unforeseen events such as temporary closure due to violations by another DOE prime contractor or significant weather event), then there could be an impact on Subtask cost and schedule performance.	Risk	DOE
TO-06-09	Unexpected Hazards/ Conditions (Differing site conditions)	If differing site conditions are encountered that could not have been reasonably foreseen, then there could be an impact on Subtask schedule and cost performance.	Risk	DOE

Subtask 6-1 Fee Risk Ownership				
Risk ID	Title	Statement of Event	Type	Owner
TO-6-13	Regulatory Approval Delayed/ Additional Requirements Added	If regulators take longer than the prescribed/planned protocols to approve regulatory documents, or impose additional requirements, then Subtask performance may be impacted.	Risk	DOE
TO-6-15	Delays in internal/ external DOE approval of required documents	If DOE takes longer than planned to approve procedural documents, then Subtask cost and schedule may be impacted. Documents may include DOE O 413.3B, Contract Award, Design documents, regulatory documents, waste handling plans, project management plans, etc.	Risk	DOE
TO-6-17	Change in ES&H Requirements - DOE Initiated	If DOE initiates a change to ES&H requirements, then Subtask cost and schedule performance may be impacted.	Risk/ Opportunity	DOE
TO-6-19	Extreme Weather	If an extreme weather event occurs (e.g., rain, heat, cold/snow, high winds/tornado, earthquake), then Subtask cost, schedule or technical performance may be impacted.	Risk	DOE
TO-6-21	Industrial Accidents	If an industrial accident by another DOE prime contractor occurs that results in a temporary shutdown of field activities, then there may be impacts to Subtask cost and schedule performance.	Risk	DOE
TO-6-24	Inadequate Infrastructure Space - Non-foreseeable	If local parking, laydown, administrative, training, and changing facilities are not located at or near the job site, due to unforeseeable circumstance, then shuttle bus service may be needed to get workers to the job site, and additional laydown area accommodations may be needed. Subtask cost and schedule performance may be impacted due to cost of alternative measures and lower worker efficiency.	Risk	DOE

Subtask 6-1 Fee Risk Ownership				
Risk ID	Title	Statement of Event	Type	Owner
TO-6-26	Non-WAC Compliant Waste - Non-Foreseeable	If waste planned for onsite disposal does not meet the onsite disposal Waste Acceptance Criteria (WAC) due to unforeseeable circumstance, then treatment/off-site disposal may be required.	Risk	DOE
TO-6-31	Supply Chain - Material/ Equipment Availability - Non-foreseeable	If unforeseeable supply chain issues impact material/equipment availability or lead times, then Subtask cost and schedule may be impacted.	Risk	DOE
TO-6-33	Change in Planned Quantities Needed	If planned quantities or work processes changes (i.e., materials, characterization/ verification samples, waste/soil volumes, maintenance actions) differ from estimates, then Subtask cost and schedule performance may be impacted.	Risk/ Opportunity	Shared: See Appendix B.9, Subtask 6-1 Key Quantities
TO-6-36	Contaminated Equipment Not Releasable - Non-foreseeable	If release conditions cannot be met due to unforeseeable and unpreventable conditions, then non-government equipment may need to be dispositioned and purchased by DOE.	Risk/ Opportunity	DOE
TO-6-37	More Characterization Needed	If the estimated quantity of characterization samples proves insufficient, then additional samples beyond the estimate will be needed.	Risk/ Opportunity	Shared: See Appendix B.9, Subtask 6-1 Key Quantities
TO-6-39	Change in Mission or Policy - DOE Initiated	If DOE initiates mission or policy requirements change, then Subtask cost and schedule performance may be impacted. Includes other than ES&H related, for example - cyber security.	Risk/ Opportunity	DOE
TO-6-40	Government Furnished Equipment Failure	If Government Furnished equipment is properly maintained and fails or requires more frequent maintenance interval than planned, then task order cost and schedule performance may be impacted.	Risk	DOE

Subtask 6-1 Fee Risk Ownership				
Risk ID	Title	Statement of Event	Type	Owner
TO-6-41	NHPA Impacts Non-foreseeable	If National Historic Preservation Act (NHPA) reviews by the Tennessee State Historic Preservation Officer (SHPO) or the Council take longer than the Historic Preservation Plan (HPP) prescribed protocols, such as the Section 106 Recordation, Interpretation and Documentation for the demolition of a facility, or there is disagreement with the recommended interpretive effort then task order performance may be impacted.	Risk	DOE

Assumed quantities associated with completion of the Section C requirements are included in Appendix B.9. In addition, the following key quantities and risk thresholds by PWS Subsection applicable to the performance of this subtask are provided in the following table.

Appendix B.9, Subtask 6-1 Key Quantities

PWS	Subtask 6-1, Key Quantities											
	Characterization				Prep for Demo				Demolition			
	Key Quantities	Source of Quantity Estimate	Esc Cost (x 1,000)	Proposed Threshold	Key Quantities	Source of Quantity Estimate	Esc Cost (x 1,000)	Proposed Threshold	Key Quantities	Source of Quantity Estimate	Esc Cost (x 1,000)	Proposed Threshold
C.03.02.02 - Beta 4 (9204-4)	N/A - Characterization is not included in TO6 Subtask 1 Scope				1 Ea - Mechanical Isolations 5 Ea - Electrical Isolations	Current Isolation status provided by CNS	\$5,569	± 10% and ± \$800K	NA - Demolition is not included in TO6 Subtask 1 Scope			
C.03.02.04 - Alpha 4 (9201-4)	466 Samples - Process equipment characterization		\$3,259	± 10% and ± \$400K	15,562 LF - Asbestos Abatement 3,856 SF - Asbestos Ceiling Tile, Plaster, and Boards 8,552 LF - Asbestos tank/duct 25,000 LF - Piping Removal	Quantities based on field walkdowns and historical reports.	\$17,262	± 10% and ± \$800K	NA - Demolition is not included in TO6 Subtask 1 Scope			
C.03.02.05 - Alpha 2 (9201-2)	N/A - Characterization is not included in TO6 Subtask 1 Scope				2,090 LF - Abate Exterior Asbestos	Quantities based on field walkdowns.	\$382	± 10% and ± \$800K	NA - Demolition is not included in TO6 Subtask 1 Scope			
C.03.02.07 - Beta 1 (9204-1)	40 Samples - RA	Based on parametric from Alpha 2	\$447	Propose to not include, limited effort remaining	35,000 CY - CLSM Placement	Based on parametric from Alpha 2	\$9,520	± 10% and ± \$800K	NA - Demolition is not included in TO6 Subtask 1 Scope			
C.03.02.17 - 9401-1 Facility	N/A - Characterization is not included in TO6 Subtask 1 Scope				N/A - Prep for Demo is not included in TO6 Subtask 1 Scope				193 LF - Exterior Asbestos Abatement 1,602 CY - Building Debris (EMWMF)	Quantities based on field walkdowns	\$2,233	± 50% and ± \$200K

Total Esc Cost	\$3,742	Total Esc Cost	\$33,692	Total Esc Cost	\$2,159
10% of Budgeted Value	\$374	10% of Budgeted Value	\$3,369	10% of Budgeted Value	\$216
Divided by 1 Characterization Projects	\$374	Divided by 4 Prep for Demo Projects	\$842	Divided by 1 Demolition Projects	\$216
Threshold for Change	\$400	Threshold for Change	\$800	Threshold for Change	\$200