

Oak Ridge Cleanup Contract 89303322DEM000067
89303322DEM000067/89303523FEM400032

United Cleanup Oak Ridge LLC (UCOR)

Subtask No: 1-03-07

ETTP Soil Remediation End State



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) 01-03 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 is incorporated by reference.

B.2 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.3 DOE-B-2002 Cost-Plus-Incentive-Fee Subtask: Total Estimated Cost and Incentive Fee (Oct 2014) (Revised)

- (1) This is a Cost-Plus-Incentive-Fee type Subtask. The total estimated price for this Subtask is as follows:

Table B-1. Estimated Total Price

Total Estimated Cost	\$ 38,017,939
Fee	\$ 3,041,435
Total Estimated Price	\$ 41,059,374*

*This Subtask is subject to reopening pending receipt of audit of UCOR currently in process by an auditing firm retained by DOE. 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.

- (2) 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 and the performance, cost, and schedule incentives applicable to the following Subtask Contract Line Item(s) will be set forth in a modification to this Subtask within 30 days.

Table B-2. Subtask CLIN Structure

CLIN/ SubCLIN	CLIN/SubCLIN Title	CLIN Type	Target Cost	Target Fee	Fee Increase/Decrease Ratio
1	Oak Ridge Reservation Cleanup Contract				
1-03	ORRCC End State Task Orders 89303322DEM000067/ 89303523FEM400032				
1-03-07	ETTP Soils Remediation End State	CPIF	\$38,017,939	\$3,041,435	Will be set forth in a modification to this Subtask within 30 days.

Acronyms:

CLIN Contract Line Item Number
 CPIF cost-plus-incentive-fee

ETTP East Tennessee Technology Park
 ORRCC Oak Ridge Reservation Cleanup 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.

B.5 Basis for Change

In accordance with Clause B.9 *Basis for Change*, of the Master IDIQ Contract, the identification of fee risk ownership for both the Government and the Contractor is set forth in Attachment B.5 to this Subtask.

B.6 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 the information included below:

**PERFORMANCE BASED STATEMENT OF WORK
 SUBTASK 1-03-07: ETTP Soils Remediation End State**

1.0 INTRODUCTION

This is an end states Subtask. Key desired outcomes for the Department's environmental liability and risk reduction include:

- Environmental remediation end state complete for ETPP Zone 1 and Zone 2 Soils as described in Master IDIQ Section C.3.3.1 and C.3.3.2.
- Contaminant Load Remediated from identified areas of Soil and Other Environmental Media from primary contaminants of concern that include Mercury, Technetium-99, Trichloroethylene, and Uranium.
- Remediation completed for identified release sites.
- Identified acres of footprint reduction/acres remediated and available for planned use as a privately owned industrial property.

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.

The Contractor shall incorporate Subtask 1-03-07 into the Performance Measurement Baseline and Integrated Master Schedule and shall submit the following Subtask-specific Deliverables to DOE for approval, as required per Section J-7-7:

- Deliverable T7-001, *Performance Measurement Baseline (Final within 30 days of Subtask issuance)*, which is to include per H.51, *Task Ordering Procedure*:
 - A fragment of the detailed resource-loaded schedule for the Subtask 1-03-07 scope of work.
 - Updated WBS Dictionary Sheets showing the addition of the Subtask 1-03-07 scopes of work through DOE WBS Level 7, which shall align with the Master IDIQ Section C Performance Work Statement (PWS) subsections at the lowest level. The WBS submittal shall include a data column which cross references the WBS elements at the lowest level to the appropriate Contract Line-Item Number (CLIN)/Sub-CLIN and PWS subsection. The WBS Dictionary shall also include updated Basis of estimate organized by DOE WBS Level 7 with detail by Control Account incorporating the addition of the Subtask 1-03-07 scope of work.
 - Updated Time-phased cost estimate for the Subtask 1-03-07 period of performance, summarized at DOE WBS Level 6 with detail at DOE WBS Level 7 and Control Account showing the addition of the Subtask 1-03-07 scope of work and Total Estimated Cost.
- Deliverable T7-002, *Integrated Master Schedule (Final within 30 days of Subtask issuance)*, which is to include per H.51, *Task Ordering Procedure*:
 - A copy of the Integrated Master Schedule showing the inclusion of the Subtask 1-03-07 scope of work and identifying the logic ties and dependencies between already contracted Subtask scopes of work and the

Subtask 1-03-07 work scope.

- Deliverable T7-003, *Subtask Metrics and Milestone Plan (Final within 30 days of Subtask issuance)*: To incorporate the applicable J-7-7 Deliverables, Subtask-specific milestones, and *10-Year Task Order Strategic Plan* metrics applicable to the Subtask 1-03-07 scope of work, including the following metrics and units of measure:
 - CH TRU Waste Certified for Final Disposal Progress Indicator (m3)
 - CH TRU Waste Processed (Certification Ready) Progress Indicator (m3)
 - RH TRU Waste Certified for Final Disposal Progress Indicator (m3)
 - RH TRU Waste Processed (Certification Ready) Progress Indicator (m3)
 - TRU-CH (m3)
 - TRU-RH (m3)
 - Bulk Tank Waste Removed (thousands of gallons)
 - Liquid Waste Tanks Cleaned (number of tanks)
 - Liquid Waste In Inventory eliminated (number of gallons)
 - Liquid Waste Tanks closed (number of tanks)
 - Remediation Complete (# of Release Sites)
 - Site Remediated/Footprint Reduction (Acreage)
 - Groundwater Wells Installed (# wells)
 - Industrial Facility Completions (# of Facilities)
 - Radioactive Facility Completions (# of Facilities)
 - Nuclear Facility Completions (# of Facilities)
 - Square Footage Deinventoried (Square Feet)
 - Square Footage Demolished (Square Feet)
 - General Plant Projects Completed (number of projects)
 - D&D Debris and Remediated Soil Disposed Indicator (m3)
 - LL/LLMW disposed Legacy (Stored) and NGW (m3)
 - Material Access Areas eliminated (number of areas)
 - Radionuclides Deinventoried (Curies)
 - Contaminant Load Remediated from Soil and Other Environmental Media (yd3)

- T7-004, *Waste Generation Forecast (Final within 30 days of Subtask issuance)*: To document the Waste Generation Forecast for the Subtask 1-03-07 scope of work, including the following data elements for each PWS subsection that will result in the generation of waste:
 - PBS Number
 - Project Group
 - WBS Project
 - Waste Type (Sanitary, LLW or MLLW)

- Material Type
- Solid or Liquid
- RCRA Type (Characteristic or Both)
- RAD Type (Contact or Remote)
- Classified
- Destination Facility
- EMWMF Confidence in Volume
- Schedule (FY/Quarters of disposal)
- Units
- Component
- Waste Origin

2.0 BACKGROUND

As described in the *OREM Program Plan 2022 – 2032*, ETTP (previously K-25, renamed in 1997) was constructed during the Manhattan Project to enrich uranium for the first atomic weapon using the gaseous diffusion process. Due to the success of this technique, the original plant was expanded during the Cold War and employed 12,000 workers. At its peak, the site contained five enormous uranium enrichment facilities—K-25, K-27, K-29, K-31, and K-33— and hundreds of support facilities.

DOE ceased all gaseous diffusion operations at the K-25 plant in 1987. Environmental cleanup to address the deteriorating facilities and environmental hazards created during decades of uranium enrichment began shortly thereafter. In addition to conducting much needed cleanup, DOE pursued a vision to convert the site into a private industrial park by transferring land and infrastructure back to the community.

OREM has completed the demolition of all excess facilities and is in the final phase of completing cleanup at ETTP. The work remaining for this TO includes completing soil remediation.

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:

C.3.3 ETTP Cleanup

C.3.3.1 Zone 1 Soil

C.3.3.2 Zone 2 Soil

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:

RFTP Section 3.0 Subtask Specific Assumptions and Completion Criteria		
PWS Subsection	Completion Criteria	Assumptions
C.3.3.1, <i>Zone 1 Soil</i>	<ul style="list-style-type: none"> • Complete desired outcome described in Master IDIQ Section C.3.3.1. 	<ul style="list-style-type: none"> • Zone 1 Post-ROD monitoring and land-use control implementation will transition to TO-10/PWS C.5.7.3 following approval of the final Zone 1 Soils Remedial Action Report.

<p>C.3.3.2, Zone 2 Soils</p>	<ul style="list-style-type: none"> • Complete desired outcome described in Master IDIQ Section C.3.3.2. 	<ul style="list-style-type: none"> • All project documentation work continues until the final CERCLA Zone 2 Soils completion documentation is approved. • Zone 2 Post-ROD monitoring and land-use control implementation will transition to TO-10/PWS C.5.7.3 following approval of the final Zone 2 Soils Remedial Action Report. • Assume EU-21, EU11 K-1066-E, EU20 K-1101-Pad, EU-38 K-1417-A, EU-35, and EU-39 volumes will not differ from the following “Planned Soil Remediation Volumes” (excluding additional 16,462 CY for EU-21 Overburden excavation) and result in greater than a +/- \$750K change due to the volume change. 																																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center; padding: 5px;">Planned Soil Remediation Volumes</th> </tr> <tr> <th style="width: 15%; padding: 5px;">RA</th> <th style="width: 60%; padding: 5px;"></th> <th style="width: 25%; padding: 5px;">CY</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">EU21 **</td> <td></td> <td style="text-align: right; padding: 5px;">8,473.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">EMWMF</td> <td style="text-align: right; padding: 5px;">7,973.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">NNSS/ES</td> <td style="text-align: right; padding: 5px;">500.00</td> </tr> <tr> <td style="padding: 5px;">EU11</td> <td></td> <td style="text-align: right; padding: 5px;">50.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">K-1066-E</td> <td style="text-align: right; padding: 5px;">50.00</td> </tr> <tr> <td style="padding: 5px;">EU20</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">K-1101 Pad</td> <td style="text-align: center; padding: 5px;">No waste</td> </tr> <tr> <td style="padding: 5px;">EU38</td> <td></td> <td style="text-align: right; padding: 5px;">5.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">K-1417-A</td> <td style="text-align: right; padding: 5px;">5.00</td> </tr> <tr> <td style="padding: 5px;">EU35</td> <td></td> <td style="text-align: right; padding: 5px;">2,021.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">EMWMF</td> <td style="text-align: right; padding: 5px;">2,021.00</td> </tr> <tr> <td style="padding: 5px;">EU39</td> <td></td> <td style="text-align: right; padding: 5px;">13,335.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">EMWMF</td> <td style="text-align: right; padding: 5px;">12,700.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">Offsite Treatment</td> <td style="text-align: right; padding: 5px;">635.00</td> </tr> <tr> <td style="padding: 5px;">EU30</td> <td></td> <td style="text-align: right; padding: 5px;">3,411.00</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">ORRL</td> <td style="text-align: right; padding: 5px;">3,311.00</td> </tr> </tbody> </table>			Planned Soil Remediation Volumes			RA		CY	EU21 **		8,473.00		EMWMF	7,973.00		NNSS/ES	500.00	EU11		50.00		K-1066-E	50.00	EU20				K-1101 Pad	No waste	EU38		5.00		K-1417-A	5.00	EU35		2,021.00		EMWMF	2,021.00	EU39		13,335.00		EMWMF	12,700.00		Offsite Treatment	635.00	EU30		3,411.00		ORRL	3,311.00
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RFTP Section 3.0 Subtask Specific Assumptions and Completion Criteria			
PWS Subsection	Completion Criteria	Assumptions	
		NNSS	100.00
		** An REA has been submitted under TO#3 for an additional 23,800 CY. This volume will be required to complete EU21.	
<i>C.3.3.2.1, Zone 2 Southeast Area Exposure Units</i>	<ul style="list-style-type: none"> Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 Southeast Area Exposure Units in accordance with the final Zone 2 Soils ROD. 		
<i>C.3.3.2.2, Zone 2 North-by-Northwest Area Exposure Units</i>	<ul style="list-style-type: none"> Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 North-by-Northwest Area Exposure Units in accordance with the final Zone 2 Soils ROD. 		
<i>C.3.3.2.3, Zone 2 K-25 Area Trichloroethylene Plume</i>	<ul style="list-style-type: none"> Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 K-25 Area Trichloroethylene Plume in accordance with the final Zone 2 Soils ROD. 	<ul style="list-style-type: none"> Regulatory completion documentation for EU-20, EU-21, and EU-22, will be combined into a single PCCR for DOE and regulatory approval following completion of the EU-21 RA. 	

RFTP Section 3.0 Subtask Specific Assumptions and Completion Criteria		
PWS Subsection	Completion Criteria	Assumptions
<i>C.3.3.2.4, Zone 2 Balance of K-25 Area Exposure Units</i>	<ul style="list-style-type: none"> • Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 Balance of K-25 Area Exposure Units in accordance with the final Zone 2 Soils ROD. 	

4.0 INTERFACES

In addition to the Interfaces included in the Master IDIQ Contract Attachment J-3, Interfaces specific to this Subtask are included in Attachment J-3-7.

5.0 DELIVERABLES

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

6.0 GOVERNMENT FURNISHED SERVICES AND INFORMATION

In addition to the Government-Furnished Services and Information included in the Master IDIQ Contract Attachment J-8, Government-Furnished Services specific to this Subtask are included in Attachment J-8-7.

7.0 PERFORMANCE OBJECTIVES AND STANDARDS

Fee will be determined upon completion of the End State requirements in Section 3.0 and work scope/completion criteria, which will be incorporated by a modification to this Subtask within 30 days.

Subtask 1-03-07: ETP Soil Remediation End State	
End State Requirement	Work Scope/Completion Criteria
Complete Zone 1 Soils desired outcome described in Master IDIQ Section C.3.3.1.	<ul style="list-style-type: none"> • To be determined (TBD)
Complete Zone 2 Soils desired outcome described in Master IDIQ Section C.3.3.2.	<ul style="list-style-type: none"> • TBD

Subtask 1-03-07: ETTP Soil Remediation End State	
End State Requirement	Work Scope/Completion Criteria
Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 Southeast Area Exposure Units in accordance with the final Zone 2 Soils ROD.	<ul style="list-style-type: none"> • TBD
Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 North-by-Northwest Area Exposure Units in accordance with the final Zone 2 Soils ROD.	<ul style="list-style-type: none"> • TBD
Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 K-25 Area Trichloroethylene Plume in accordance with the final Zone 2 Soils ROD.	<ul style="list-style-type: none"> • TBD
Complete all remaining soil remedial actions and required regulatory completion documentation associated with the Zone 2 Balance of K-25 Area Exposure Units in accordance with the final Zone 2 Soils ROD.	<ul style="list-style-type: none"> • TBD

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, if applicable. The performance objectives and standards will be incorporated by a modification to this Subtask within 30 days.

Subtask 1-03-07 Performance Objectives and Standards	
Objective	Standard
TBD	TBD

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 Subtask 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 estimated to be 36 months from July 24, 2023, through July 16, 2026; however, the Subtask will not be considered complete until all of the end states are achieved as defined in Section C of the Subtask.
- (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(s)

- (A) Name: Carol Jennings
- (B) Telephone number: 865-574-5563
- (C) Address:
U.S. Department of Energy
Oak Ridge Office of Environmental Management
200 Administration Road
Oak Ridge, TN 37830
- (D) Email address: carol.jennings@orem.doe.gov

- (E) Name: Natasha White
- (F) Telephone number: 865-576-2397
- (G) Address:
U.S. Department of Energy
Oak Ridge Office of Environmental Management
200 Administration Road
Oak Ridge, TN 37830
- (H) Email address: Natasha.White@orem.doe.gov

(2) Subtask Contracting Officer's Representative

- (A) Name: Joanna Hardin
- (B) Telephone number: 865-576-2366
- (C) Address:
U.S. Department of Energy
Oak Ridge Office of Environmental Management
200 Administration Road
Oak Ridge, TN 37830
- (D) Email address: Joanna.Hardin@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

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

None

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. Section J-3 – Interfaces

Attachment J-3-07 includes the following additional interfaces for this Subtask
 None.

2. Section J-5 – Small Business Subcontracting Goals

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

Table J-5-7a. Subtask 1-03-07 Small Business Subcontracting Goals

Category	Total to be Subcontracted (\$)	Minimum Small Business Goals as a percent of total subcontracted dollars
Total Subcontracted	\$25,519,868	
Total Small Business Subcontracts	\$11,483,940	45%
Veteran-Owned Small Business (VOSB)	\$765,596	3%
Service-Disabled Veteran-Owned Small Business (SDVOSB)	\$765,596	3%
Historically Underutilized Business Zone (HUBZone)	\$765,596	3%
Small Disadvantaged Business	\$1,275,993	5%
Women-owned Small Business	\$1,275,993	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 estimated costs for services acquired under parent organization support plan and 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-5-7b.

Table J-5-7b. Subtask 1-03-07 Government-Provided and Estimated Costs Not Included in Subcontracting Goals

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

3. Deliverables

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

Table J-7-7. Subtask 1-03-07 Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response ¹	Reference
T7-001	Performance Measurement Baseline (update for TO-07)	Draft with TO Proposal; 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>
T7-002	Integrated Master Schedule (update for TO-07)	Draft with TO Proposal; 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>
T7-003	Subtask Metrics and Milestone Plan	Draft with TO Proposal; 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>
T7-004	Waste Generation Forecast	Draft with TO Proposal; Final Within 30 days of Subtask issuance	Approve – 30 days	Section C.6.2.8, <i>Waste Management</i>
T7-005	Zone 1 Final Soil ROD RAR, D1 to DOE	*	**	Section C.3.1, <i>Zone 1 Soils</i> Appendix E of FFA
T7-006	EU-13 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-007	EU-16 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA

Table J-7-7. Subtask 1-03-07 Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response ¹	Reference
T7-008	EUs 20, 21, and 22 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-009	EU-30 PCCR Addendum Comment Resolution and document revision, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-010	EU-35 PCCR, D1 Comment Resolution and document revision to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-011	EU-38 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-012	EU-39 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-013	EU-41 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-014	EU-42 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-015	EU-11 PCCR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-016	RmAR for Mudflat Removal, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA
T7-017	Zone 2 Soil ROD RAR, D1 to DOE	*	**	Section C.3.2, <i>Zone 2 Soils</i> Appendix E of FFA

Table J-7-7. Subtask 1-03-07 Deliverables

Number	Deliverable	Deliverable Due Date	DOE Action Response ¹	Reference
<p>¹The DOE action is defined as follows:</p> <ul style="list-style-type: none"> • Approve – The Contractor shall provide the deliverable to DOE for review and approval. DOE will review the deliverable and provide comments or approve 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. 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. <p><i>* Fully compliant regulatory submittals are due no less than 45 days in advance of FFA Appendix E milestone dates unless otherwise agreed to by DOE.</i></p> <p><i>** DOE and Regulatory Actions to follow the standard schedule protocol for primary and secondary documents established per the FFA.</i></p>				
Acronyms:				
AM	Action Memorandum	PCCR	Phased Construction Completion Report	
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980	RA	Remedial Action	
D&D	Demolition Preparation & Demolition	RAR	Remedial Action Report	
DOE	Department of Energy	RAWP	Remedial Action Work Plan	
DSA	Documented Safety Analysis	RDR	Remedial Design Report	
EE/CA	Engineering Evaluation/Cost Analysis	ROD	Record of Decision	
ETTP	East Tennessee Technology Park	TBD	To be determined	
EU	Exposure Unit			
FFA	Federal Facility Agreement			
MOA	Memorandum of Agreement			
OREM	Oak Ridge Office of Environmental Management			

4. Government-Furnished Services and Information

Attachment J-8-07 includes the following additional Government Furnished Services and Information (GFS/I) for this Subtask:

Table J-8-7 Subtask 1-03-07 GFS/I	
GFS/I	REQUIREMENT*
None	

Attachment B.5

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

Subtask 1-07-1 Fee Risk Ownership -					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-7-03	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-7-04	Changes in Security Requirements	If federal security requirements increase, then Subtask cost and schedule performance may be impacted.	Risk	DOE	
TO-7-05	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	

Subtask 1-07-1 Fee Risk Ownership -					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-7-07	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, inadequate on-site landfill capacity due to authorization delays for cell expansion, or significant weather event) then, there could be an impact on Subtask cost and schedule performance.	Risk	DOE	
TO-7-09	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	
TO-7-13	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-7-15	Delays in internal/external DOE approval of required documents	If DOE takes longer than planned to review/approve documents, due to reasons other than document quality, 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	

Subtask 1-07-1 Fee Risk Ownership -					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-7-17	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-7-19	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-7-21	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-7-24	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	
TO-7-26	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	

Subtask 1-07-1 Fee Risk Ownership -					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-7-31	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-7-32	Supply Chain - Material/Equipment Availability - Foreseeable	If foreseeable supply chain issues impact material/equipment availability or lead times, then Subtask cost and schedule may be impacted.	Risk	UCOR	
TO-7-33	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	+/- \$750K change due to volume change
TO-7-36	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-7-39	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-7-41	Insufficient Waste Storage/Treatment Non-Foreseeable	If permitted waste storage facilities or treatment options are insufficient/ineffective and unforeseeable, then Subtask cost and schedule may be impacted.	Risk	DOE	

Subtask 1-07-1 Fee Risk Ownership -					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-7-43	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 Subtask performance may be impacted.	Risk	DOE	