

Oak Ridge Cleanup Contract 89303322DEM000067
89303322DEM000067/89303523FEM400032

United Cleanup Oak Ridge LLC (UCOR)

Subtask No: 1-03-09-01

Mission Support Facility – OF200 Mercury Treatment Facility Line Item,
Subtask 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) 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-2001 Cost-Plus-Fixed-Fee Subtask: Total Estimated Cost and Fixed Fee (Oct 2014) (Revised)

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

Table B-1. Estimated Total Price

Total Estimated Cost	\$ 9,877,348
Fee	\$ 395,094
Total Estimated Price	\$ 10,272,442*

*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 52.216-8, *Fixed Fee*, the Total Estimated Cost and Fee of the Subtask, and the Total Estimated Cost and Fee of the Subtask Contract Line Items, is as follows:

Table B-2. Subtask CLIN Structure

CLIN/ SubCLIN	CLIN/SubCLIN Title	CLIN Type	Estimated Cost	Fee	Total Estimated Price
1	Oak Ridge Reservation Cleanup Contract				
1-03	ORRCC End State Task Orders 89303322DEM000067/ 89303523FEM400032				
1-03-09-01	Mission Support Facility – OF200 Mercury Treatment Facility Line Item, Subtask 1	CPFF	\$ 9,877,348	\$ 395,094	\$ 10,272,442
Total			\$ 9,877,348	\$ 395,094	\$ 10,272,442

Acronyms:

CLIN Contract Line Item Number	OF200 Outfall 200
CPFF cost-plus-fixed-fee	ORRCC Oak Ridge Reservation Cleanup Contract

(3) Payment of fee will be made in accordance with 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.

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 not applicable to this Subtask.

**Section C – Performance Work Statement
 Mission Support Facility – OF200 MTF Line Item**

C.1 Subtask Requirements

The Contractor shall perform the requirements in accordance with the Master IDIQ Contract and the information included below:

1.0 INTRODUCTION

This is an end states Subtask. The desired outcome for *Mission Support Facility – OF200 MTF Line Item* is successful commissioning and subsequent reliable operations of the Outfall 200 Mercury Treatment Facility (MTF) as described in Master IDIQ Section C.5.6. The desired outcome will be achieved through multiple Subtasks that will be negotiated and awarded in increments as described in Section 3.0, *Scope*.

The MTF is designed to treat up to 3,000 gallons of surface water per minute and store two million gallons of excess stormwater. It will be comprised of two components at two locations — a headworks facility and a treatment plant— connected by a pipeline nearly a mile long. The headworks facility will capture creek flow, store excess stormwater collected during large rainfalls, remove grit, and pump water through the pipeline to the treatment plant. The treated water will then flow back into the creek.

The OF200 MTF is a line-item construction project (Line Item 14-D-403) with an approved performance baseline to complete Critical Decision-4 approval by September 30, 2025.

Master IDIQ Section C.5.6.3, *MTF Operations* will be included in a future request for Subtask proposal. The Contractor shall ensure the Subtask 1-09-01 scope is integrated with other Subtasks, as necessary.

The Contractor shall incorporate Subtask 1-03-09-01 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-7-9:

- Deliverable T9-001, *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 1-03-09-01 scope of work.
 - Updated WBS Dictionary Sheets showing the addition of the Subtask 1-03-09-01 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 1-03-09-01 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 1-03-09-01 scope of work and Total Estimated Cost.

- Deliverable T9-002, *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 1-03-09-01 scope of work and identifying the logic ties and dependencies between already contracted Subtask scopes of work and the Subtask 1-03-09-01 work scope.
- Deliverable T9-003, *Subtask Metrics and Milestone Plan (Final within 30 days of Subtask issuance)*: To incorporate the applicable J-7-9 Deliverables, Subtask-specific milestones, and *10-Year Task Order Strategic Plan* metrics applicable to the Subtask 1-03-09-01 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)
- T9-004, *Waste Generation Forecast (Final within 30 days of Subtask issuance)*: To

document the Waste Generation Forecast for the Subtask 1-03-09-01 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

Historical missions at the Y-12 National Security Complex (Y-12) resulted in the release of mercury to the environment. The West End Mercury Area (WEMA) consists of former mercury-use buildings Beta-4 (9204-4), Alpha-4 (9201-4), and Alpha-5 (9201-5) located in the west end of the Y-12 main plant area including mercury-contaminated soils and storm sewers in the immediate vicinity. Residual mercury in the 60-year-old storm drain infrastructure, infiltrating groundwater, and sediment-bound mercury are remobilized and transported through the storm drain network to OF200 into the Upper East Fork Poplar Creek (UEFPC). Currently, this is the largest environmental risk on the DOE Oak Ridge Reservation.

The primary pathway of concern is surface water because the UEFPC flows directly from Y-12 into the City of Oak Ridge. Discharges from WEMA are the primary point source contributors to mercury flux in UEFPC. OF200 is the integration point for storm sewer effluent entering UEFPC and, under dry weather (base) flow conditions, is the largest single source of mercury to the creek. The OF200 MTF will remove a significant portion of mercury contamination in these discharges.

The Outfall 200 MTF is being constructed (by another DOE Prime Contractor) as part of CERCLA actions to reduce mercury levels in East Fork Poplar Creek. The objective is compliance with ambient water quality criteria and assistance in controlling mercury discharges during cleanup of the West End Mercury Area.

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:

Mission Support Facility – OF200 MTF Line Item, Subtask 1 (1-03-09-01):

- **C.5.6 Outfall 200 Mercury Treatment Facility (Y-12)**
 - **C.5.6.1, MTF Construction Support**
 - Continue to provide MTF Construction Support as described in Master IDIQ Section C.5.6.1 through September 2024, including:
 - Project management
 - Construction services
 - Special Inspections
 - Title III Engineering and Field Support Services
 - Construction Waste Management
 - Development of System Acceptance Testing (SAT) Procedure(s) and Integrated SAT Procedure(s)
 - Project Office Trailer Maintenance
 - Construction Planning Support
 - Finalize construction acceptance test templates.
 - Complete As Built drawings and specifications.
 - Assemble operations management technical team.
 - Complete operations team review and comment of operations testing procedures.
 - Complete operations team review and comment of construction accept test templates.
 - Complete observation of construction acceptance testing for the Treatment Plant and Headworks.
 - Complete Final Checkout, Testing and Commissioning Plan
 - Initiate operations team review and comment of system acceptance test (SAT) plans and integrated SAT plans.
 - Initiate Information Technology (IT)/Cyber Security documents for Authority to Test and Authority to Operate Supervisory Control and Data Acquisition (SCADA)
 - **C.5.6.2, MTF Checkout, Testing, and Commissioning**
 - Initiate preparations for checkout, testing, and commissioning of the OF200 MTF, including:
 - Complete preparation of operations and maintenance procedures.
 - Complete purchase of sampling and analytical equipment.

4.0 INTERFACES

In addition to the Interfaces included in the Master IDIQ Contract, Interfaces specific to this Subtask are included in Attachment J-3-9.

5.0 DELIVERABLES

In addition to the Deliverables included in the Master IDIQ Contract, Deliverables specific to this Subtask are included in Attachment J-7-9.

6.0 GOVERNMENT-FURNISHED SERVICES AND INFORMATION

In addition to the Government-Furnished Services and Information (GFS/I) included in the Master IDIQ Contract, GFS/I specific to this Subtask are included in Attachment J-8-9.

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 as follows:

Subtask 1-03-09-01, Mission Support Facility – OF200 MTF Line Item, Subtask 1	
End State Requirement	Work Scope/Completion Criteria
<p>Continue to provide MTF Construction Support as described in Master IDIQ Section C.5.6.1 through September 2024, including:</p> <ul style="list-style-type: none"> • Project management • Construction services • Special Inspections • Title III Engineering and Field Support Services • Construction Waste Management • Development of System Acceptance Testing (SAT) Procedure(s) and Integrated SAT Procedure(s) • Project Office Trailer Maintenance • Construction Planning Support 	<ul style="list-style-type: none"> • A plan evaluated and proposed to DOE to perform testing on treatment plant prior to headworks completion to turn over early to operations. • Special inspections completed through FY 2024 and documented. • Construction support facilities operated and maintained through FY 2024. • Enhanced assistance in construction activity oversight and planning support requested by DOE provided through FY 2024, including but not limited to: <ul style="list-style-type: none"> – Construction waste permitting – Construction waste generation reporting – Facilitation of partnering meetings with the construction contractor and design engineers to improve constructability and timelines – Facilitation of general construction interfaces and coordination with the Y-12 Site Contractor – Engagement of Critical Project Team on emerging priorities and issues.

Subtask 1-03-09-01, Mission Support Facility – OF200 MTF Line Item, Subtask 1	
End State Requirement	Work Scope/Completion Criteria
Finalize construction acceptance test templates.	<ul style="list-style-type: none"> Acceptance test template and procedures for construction system acceptance testing complete in accordance with the <i>Start-up and Test Plan</i> (UCOR-4931) and approved by the Contractor’s test director.
Complete As Built drawings and specifications	<ul style="list-style-type: none"> As built drawings submitted and accepted.
Assemble operations management technical team.	<ul style="list-style-type: none"> Operations Test Manager and support team/key operations personnel in place in advance of operational turnover of the MTF from construction contractor.
Complete operations team review and comment of operations testing procedures.	<ul style="list-style-type: none"> Operations Test Manager and support team/key operations personnel review and comment of operations testing procedures complete and documented for resolution.
Complete operations team review and comment of construction accept test templates.	<ul style="list-style-type: none"> Operations Test Manager and support team/key operations personnel review and comment of construction acceptance test template complete and documented for resolution.
Complete observation of construction acceptance testing for the Treatment Plant.	<ul style="list-style-type: none"> Operations Test Manager and support team/key operations personnel observation of construction acceptance testing for the Treatment Plant complete and documented for resolution.
Complete observation of construction acceptance testing for the Headworks.	<ul style="list-style-type: none"> Operations Test Manager and support team/key operations personnel observation of construction acceptance testing for the Headworks complete and documented for resolution.
Complete Final Checkout, Testing and Commissioning Plan	<ul style="list-style-type: none"> Checkout Testing and Commissioning Plan complete and accepted by DOE.
Initiate operations team review and comment of SAT plans and integrated SAT plans.	<ul style="list-style-type: none"> Operations Test Manager and support team/key operations personnel review and comment of SATs and Integrated SATs initiated and documented in draft.
Initiate IT/Cyber Security documents for Authority to Test and Authority to Operate Supervisory Control and Data Acquisition (SCADA)	<ul style="list-style-type: none"> Documents initiated as draft versions.

Subtask 1-03-09-01, Mission Support Facility – OF200 MTF Line Item, Subtask 1	
End State Requirement	Work Scope/Completion Criteria
Initiate preparations for checkout, testing, and commissioning of the OF200 MTF as described in Master IDIQ Section C.5.6.2.	<ul style="list-style-type: none"> • Complete preparation of operations and maintenance procedures. • Complete purchase of sampling and analytical equipment.

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. The performance objectives and standards are as follows:

Subtask 1-03-09-01 Performance Objectives and Standards	
Objective	Standard
Follow requirements and required notification in Memorandum of Agreement giving operational control of OF200 MTF area to OREM	No violations of MOA because of contractor's actions
Perform work in accordance with CERCLA documents	No violations of CERCLA document because of contractor's actions
All documents submitted without errors or omissions	No more than one revision is required
Timely and accurate acceptance test reports	90% completed as scheduled without rewriting
Operational responsibility for systems and facilities accepted as they are turned over from the DOE prime construction contractor	Minimum safety, operational, and maintenance procedures in place for testing
Enhanced assistance in construction activity oversight support	Minimum of two onsite partnering meetings per quarter

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 Subtask Period of Performance (POP) is estimated to be eighteen months, from July 24, 2023, through January 27, 2025; however, this Subtask will not be considered complete until 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 Officers

(A) Name: Jessica Speed

(B) Telephone number: 865/576-0648

(C) Address:

U.S. Department of Energy
Oak Ridge Office of Environmental Management
200 Administration Road
Oak Ridge, TN 37830

(D) Email address: Jessica.Speed@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: James Daffron

(B) Telephone number: 865/241-9504

(C) Address:

U.S. Department of Energy
Oak Ridge Office of Environmental Management
200 Administration Road
Oak Ridge, TN 37830

(D) Email address: James.Daffron@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

In addition to the following requirements, Section J-3 of the Master IDIQ Contract is incorporated by reference:

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-5-9a. Subtask 1-03-09-01 Small Business Subcontracting Goals

Category	Total to be Subcontracted (\$)	Minimum Small Business Goals as a percent of total subcontracted dollars
Total Subcontracted	\$3,726,793	
Total Small Business Subcontracts	\$1,677,056	45%
Veteran-Owned Small Business (VOSB)	\$ 37,267	1%
Service-Disabled Veteran-Owned Small Business (SDVOSB)	\$ 37,267	1%
Historically Underutilized Business Zone (HUBZone)	\$ 37,267	1%
Small Disadvantaged Business	\$ 111,803	3%
Women-owned Small Business	\$ 111,803	3%

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-5-9b.

Table J-5-9b. Costs Not Included in Subcontracting Goals

Reservation Management	Not applicable
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Post-Retirement Benefits and Long-Term Disability and Pension Contribution	Not applicable
Site Usage Fees	Not applicable
Services Acquired under Parent Organization Support Plan	\$3,009,936

3. Attachment J-7-9 includes the following additional deliverables for this Subtask:

Table J-7-9. Subtask 1-03-09-01 Deliverables				
Number	Deliverable	Deliverable Due Date	DOE Action Response¹	Reference
T9-001	Performance Measurement Baseline	Draft with Proposal; Final Within 30 days of Subtask 1 issuance	Approve – 30 days	Section C.6.1.1, <i>Project Support Performance Requirements</i> Section H.51, <i>Task Ordering Procedure</i>
T9-002	Integrated Master Schedule	Draft with Proposal; Final Within 30 days of Subtask 1 issuance	Approve – 30 days	Section C.6.1.1, <i>Project Support Performance Requirements</i> Section H.51, <i>Task Ordering Procedure</i>
T9-003	Subtask Metrics and Milestone Plan	Draft with Proposal; Final Within 30 days of Subtask 1 issuance	Approve – 30 days	Section C.6.1.1, <i>Project Support Performance Requirements</i> Section H.51, <i>Task Ordering Procedure</i>
T9-004	Waste Generation Forecast	Draft with Proposal; Final Within 30 days of Subtask 1 issuance	Approve – 30 days	Section C.6.2.8, <i>Waste Management</i> DOE Manual 435.1-1, <i>Radioactive Waste Management</i>

Table J-7-9. Subtask 1-03-09-01 Deliverables				
Number	Deliverable	Deliverable Due Date	DOE Action Response¹	Reference
Acronyms				
CD	Critical Decision			
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980			
DOE	Department of Energy			
FFA	Federal Facility Agreement			
MTF	Mercury Treatment Facility			
OF200	Outfall 200			
OREM	Oak Ridge Office of Environmental Management			

4. Attachment J-8-9 includes the following additional GFS/I for this Subtask:

Table J-8-9, Subtask Specific GFS/I	
GFS/I	REQUIREMENT
None	

Attachment B.5 Basis for Change:

The identification of fee risk ownership for both the Government and the Contractor is set forth in the following Fee Risk Ownership Matrix.

Subtask 1-03-09-01 Fee Risk Ownership					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-9-03	Ineffective Execution	If project management execution is not effective, in that other DOE program office 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-9-04	Changes in Security Requirements	If federal security requirements increase, then Subtask cost and schedule performance may be impacted.	Risk	DOE	
TO-9-05	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-9-08	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	

Subtask 1-03-09-01 Fee Risk Ownership					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-9-10	Delays in internal/external DOE approval of required documents	If DOE takes significantly longer than planned to approve documents per the approved Subtask baseline, for reasons other than 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	
TO-9-11	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-9-13	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-9-15	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	

Subtask 1-03-09-01 Fee Risk Ownership					
Risk ID	Title	Statement of Event	Type	Owner	Planned Mitigation by UCOR
TO-9-21	Supply Chain - Material/Equipment Availability	If unforeseeable supply chain issues impact material/equipment availability or lead times, then Subtask cost and schedule may be impacted.	Risk	DOE	
TO-9-25	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-9-27	Equipment Material Procured/Installed by Previous Contractor Does Not Meet Applicable Quality Requirements.	If equipment material procured/installed by DOE's Prime Construction Contractor does not meet applicable quality requirements, then Subtask cost and schedule may be impacted.	Risk	DOE	