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SECTION B - SUPPLIES OR SERVICES/PRICES

This Task Order work shall be performed under Contract Line Item Number (CLIN) 00001 of the Environmental Management (EM) Nevada Environmental Program Services (EPS) 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, and is revised for purposes of this Task Order with the information below specifically identified for this task.

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

B.2 DOE-B-2002 COST-PLUS-AWARD-FEE CONTRACT: TOTAL ESTIMATED COST AND AWARD FEE (OCT 2014) (REVISED)

- (1) This is a Cost-Plus-Award-Fee type of contract. The total estimated cost and award fee are as follows:

Table B-1. Total Estimated Cost and Fee Information

Total Estimated Cost :	██████████
Maximum Award Fee:	██████████
Costs Subject to Reopener	██████████
Total Estimated Cost Plus Fee	\$ 50,660,314

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

Table B-2. Task Order CLIN Structure

CLIN	CLIN Title	CLIN Type	Estimated Cost	Total Available Fee	Total
00001	End States	CPAF	██████████	██████████	\$50,660,314
CLIN = Contract Line Item Number			CPAF = Cost Plus Award Fee		

(a) CLIN 00001 – End States:

This CLIN includes the estimated cost and available fee associated with performing PWS elements in the Task Order.

(3) Payment of fee will be made in accordance with the following:

(a) Available Award Fee will include award-fee criteria and performance-based incentive (PBI) criteria as defined in Section J, Attachment J-7 entitled Performance Evaluation and Measurement Plan. The PBIs will be defined during task order performance as part of the PEMP. The draft PEMP at task order award will be finalized upon review and approval. No base fee is payable under this task order.

(b) Available Award Fee may consist of up to 30 percent as subjective award fee criteria, and the remaining balance is in objective PBIs for a total of 100 percent.

(c) Award Fee based upon award fee criteria will be evaluated on an annual basis as delineated in the PEMP. The PBI fee will be evaluated in accordance with the established completion criteria in the PEMP.

B.3 DOE-B-2013 OBLIGATION OF FUNDS (OCT 2014)

(a) Pursuant to the Clause of this Contract in FAR 52.232-22, Limitation of Funds, total funds in the amount of \$14,637,166.00 are obligated for the payment of allowable costs and fee. It is estimated that this amount is sufficient to cover performance through October 1, 2021.

B.4 RE-OPENER FOR COST/FEE ADJUSTMENT

The parties agree the negotiated amount of [REDACTED] is subject to adjustment either up or down based on the either: 1. Receipt and consideration of new competitive quotes 2. Navarro's submittal of certified cost/pricing data for [REDACTED] Subcontractor or 3. Submittal of Navarro's determination that the costs for [REDACTED] are considered commercial and therefore, certified cost/pricing data is not required per FAR 15.403-1(a)(3).

**PART I -- SCHEDULE
SECTION C**

PERFORMANCE WORK STATEMENT

Task Order Purpose and Overview

The Contractor shall perform the scope of this task order for the U. S. Department of Energy (DOE) Environmental Management (EM) Nevada (NV) Program at the Nevada National Security Site (NNSS). The purpose of this Performance Work Statement (PWS) is to describe the work scope the Contractor shall perform during the period of performance identified in this Task Order.

Work Scope

The section numbers for the work scope identified below are consistent with the EM NV Program Work Breakdown Structure (WBS) and are therefore not successive. The Contractor shall implement feasible pathways for scope acceleration, identify innovative approaches for scope completion, and challenge inefficiencies to accelerate efforts.

1.4.1.2 Underground Test Area (UGTA)

The scope of work for UGTA is in subsequent sections.

1.4.1.2.02 Central and Western Pahute Mesa (CAUs 101 & 102)

The scope of work for Central and Western Pahute Mesa is in subsequent sections.

1.4.1.2.02.02.11.01.06 Characterization Annual Sampling

The Contractor shall perform sampling activities to support geology, hydrology, transport parameter, and source-term data analysis. This includes but is not limited to planning; site mobilization and demobilization; site setup; installation of downhole and over hole equipment; connecting to portable or pre-established surface power; inspection of sumps and sump liners; groundwater and geochemical sampling; and sample management, analysis and reporting.

1.4.1.2.02.02.12.02 Hydrology

The Contractor shall complete compilation and interpretation of geologic hydrologic data and update the hydrologic data documentation used for the flow and transport model.

1.4.1.2.02.02.12.03 Transport Parameters

The Contractor shall complete collection, analysis, qualification, and documentation of chemical, geochemical, and hydrologic data pertinent to radionuclide transport in groundwater.

1.4.1.2.02.02.12.04 Source Term

The Contractor shall complete analysis of source term data and submit unclassified near-field models and reports. Scope may include work in a classified environment. National laboratories will perform classified modeling activities and prepare associated reports.

1.4.1.2.02.02.13.02 Flow and Transport Model

The Contractor shall complete flow and transport modeling analysis, evaluation and reporting

which includes data completeness presentations.

1.4.1.2.02.02.13.04 External Peer Review

The Contractor shall identify independent qualified candidates and select team members for an External Peer Review panel. The Contractor shall facilitate an External Peer Review panel to review the final flow and transport model document for Pahute Mesa, provide comments, and prepare and submit a Peer Review Panel Report.

1.4.1.2.02.02.13.06 Risk

The Contractor shall conduct and document a human health risk assessment to provide additional understanding of the implications of the contaminated groundwater from Pahute Mesa.

1.4.1.2.02.03.01 CADD/CAP Preparation

The Contractor shall complete and obtain regulatory approval of a CADD/CAP document.

1.4.1.2.02.04.01.01 Drilling

The Contractor shall complete installation of groundwater well(s) consistent with its technical approach and the regulatory strategy. Well design shall ensure data collection provides adequate information to be used for model evaluation and long-term monitoring of the Central and Western Pahute Mesa CAUs. The Contractor shall be responsible for fluid and waste management and ensuring no cross aquifer contamination of radionuclides in concentrations above the Safe Drinking Water Act Standard. Activities include, but are not limited to:

- *1.4.1.2.02.04.01.01.01 Well Management:* management and planning including site planning; procurements; equipment and supply management; health and safety requirements;
- *1.4.1.2.02.04.01.01.02 Criteria Document:* well design;
- *1.4.1.2.02.04.01.01.03 Mobilization/Demobilization:* site mobilization and demobilization; site setup;
- *1.4.1.2.02.04.01.01.04 Operations:* well construction; fluid and waste management; geophysical logging; well cuttings collection; intermediate sampling below the water table; well completion; and
- *1.4.1.2.02.04.01.01.05 Reporting:* well completion report documentation.

1.4.1.2.02.04.01.02 Well Development, Testing and Sampling

The Contractor shall perform well development, testing and sampling activities for the newly installed well(s). The Contractor shall conduct sufficient testing, sampling, and analysis to ensure data collection provides adequate information to develop groundwater models and/or provide monitoring data. This includes but is not limited to:

- *1.4.1.2.02.04.01.02.01 Well Management:* management and planning; procurements;
- *1.4.1.2.02.04.01.02.02 Mobilization/Demobilization:* site mobilization and demobilization; site setup; downhole equipment installation; portable or pre-established surface power connection; sump and sump liner inspections;
- *1.4.1.2.02.04.01.02.03 Operations:* hydraulic testing and groundwater and geochemical sampling; and

- *1.4.1.2.02.04.01.02.04 Reporting*: sample management, analysis and reporting.

1.4.1.2.02.04.01.03 Water-Level Measurements

The Contractor shall obtain water-level measurement data to supplement data obtained directly from well drilling and development and testing activities to include continuous water level measurements; water temperature; and barometric data required to perform detailed analysis of aquifer response related to drilling and pumping-related hydraulic stress applied to aquifers.

1.4.1.3 Industrial Sites

The scope of work for Industrial Sites is in subsequent sections.

1.4.1.3.12.07.03 CAU 114, Area 25 EMAD Facility SAFER Plan Revision 1

The Contractor shall conduct all activities to develop, submit, and obtain regulatory approval of the final revised Streamlined Approach for Environmental Restoration (SAFER) Plan for CAU 114 consistent the Standardized FFACO Outline SAFER Plan Revision 3.

1.4.1.3.12.07.04 CAU 114, Area 25 EMAD Facility Closure

The Contractor shall perform decontamination and decommissioning in accordance with the approved SAFER Plan to put the facilities in a demolition ready state. Plans for future demolition of structures shall be coordinated with site cleanup goals. The Contractor shall complete field characterization, sample management, and analytical work to support characterization.

The scope includes all contaminated soil and manmade structures, and may include coordinating re-routing of utilities with the contractor responsible for NNSS infrastructure; hazardous material abatement activities; equipment removal; and decontamination of structures and/or components. Contamination remaining on manmade structures for future demolition should be minimized to the extent practical. The Contractor shall also include general cleanup of debris near the facility compounds. The Contractor may need to remove some items for safety, reduction of long-term risks, and/or to ensure proper disposal practices (e.g., removal of items containing toxic or hazardous components to allow for disposal of debris as non-hazardous waste and/or low-level waste [LLW]). Removal may include, but not limited to, facility equipment; personal property/fixtures; utility service components (including components leading up to the inactive facilities); tanks; sumps; asbestos; LLW; and polychlorinated biphenyl-contaminated items in above-grade and sub-grade areas. The Contractor shall perform appropriate activities to stabilize the area and prevent groundwater infiltration and surface water accumulation in sub-grade structures.

The Contractor shall be responsible for the safe, compliant and efficient characterization, packaging, shipping, transport, and disposal of all waste generated. Disposal at the NNSS Area 5 RWMC and Area 3 RWMS is available at no additional cost through the NNSS M&O Contractor.

The Contractor will evaluate field activities against existing NEPA requirements, including cultural resource and wildlife considerations, prior to commencement of any field

implementation; if circumstances or information demonstrate these activities are not part of existing NEPA analyses, then further NEPA analysis will be required. All fieldwork shall adhere to all biological, cultural, and archeological agreements that are in place for the NNSS, including planning and coordinating requisite surveys in advance of field work as applicable. The Contractor shall coordinate its activities with other site contractors/tenants to avoid and/or mitigate any interference with ongoing site work. The Contractor shall identify to the EM NV Program all support activities to be coordinated with other site contractors/tenants.

The Contractor shall submit a letter report to the EM NV Program to document the facilities are in a demolition ready state.

1.4.1.3.12.09.03 CAU 572, Test Cell C Ancillary Buildings and Structures SAFER Plan

The Contractor shall conduct all activities to develop, submit, and obtain regulatory approval of the final Streamlined Approach for Environmental Restoration (SAFER) Plan for CAU 572 consistent the Standardized FFACO Outline SAFER Plan Revision 3.

1.4.1.3.12.09.04 CAU 572, Test Cell C Ancillary Buildings and Structures Closure

The Contractor shall perform decontamination and decommissioning in accordance with the approved SAFER Plan to put the facilities in a demolition ready state. Plans for future demolition of structures shall be coordinated with site cleanup goals. The Contractor shall complete field characterization, sample management, and analytical work to support characterization.

The scope includes all contaminated soil and manmade structures, and may include coordinating re-routing of utilities with the contractor responsible for NNSS infrastructure; hazardous material abatement activities; equipment removal; and decontamination of structures and/or components. Contamination remaining on manmade structures for future demolition should be minimized to the extent practical. The Contractor shall also include general cleanup of debris near the facility compounds. The Contractor may need to remove some items for safety, reduction of long-term risks, and/or to ensure proper disposal practices (e.g., removal of items containing toxic or hazardous components to allow for disposal of debris as non-hazardous waste and/or low-level waste [LLW]). Removal may include, but not limited to, facility equipment; personal property/fixtures; utility service components (including components leading up to the inactive facilities); tanks; sumps; asbestos; LLW; and polychlorinated biphenyl-contaminated items in above-grade and sub-grade areas. The Contractor shall perform appropriate activities to stabilize the area and prevent groundwater infiltration and surface water accumulation in sub-grade structures.

The Contractor shall be responsible for the safe, compliant and efficient characterization, packaging, shipping, transport, and disposal of all waste generated. Disposal at the NNSS Area 5 RWMC and Area 3 RWMS is available at no additional cost through the NNSS M&O Contractor.

The Contractor will evaluate field activities against existing NEPA requirements, including cultural resource and wildlife considerations, prior to commencement of any field implementation; if circumstances or information demonstrate these activities are not part of

existing NEPA analyses, then further NEPA analysis will be required. All fieldwork shall adhere to all biological, cultural, and archeological agreements that are in place for the NNSS, including planning and coordinating requisite surveys in advance of field work as applicable. The Contractor shall coordinate its activities with other site contractors/tenants to avoid and/or mitigate any interference with ongoing site work. The Contractor shall identify to the EM NV Program all support activities to be coordinated with other site contractors/tenants.

The Contractor shall submit a letter report to the EM NV Program to document the facilities are in a demolition ready state.

1.4.2.1 Program Integration

Program Integration consists of crosscutting activities that the Contractor shall perform to complete the cleanup mission safely and effectively.

1.4.2.1.01 Administrative

Administrative activities include the following activities.

1.4.2.1.01.01 Program Management Support

The Contractor shall provide services including management, business administration (e.g., contracting, procurement, financial and accounting), human resources, training, and program management necessary to perform the scope in this PWS. Additionally, the Contractor shall:

- a. Provide input as requested by EM NV to respond to Congressional, regulatory and other requests for documents and information (e.g. Freedom of Information Act requests; Privacy Act requests; and litigation document requests). Support shall include, but not be limited to, preparation for briefings, public presentations, and search, review, and reproduction of documents. The Contractor shall ensure all external briefing materials and public presentations are of the highest professional quality to present the current and planned project achievements. The Contractor shall allot sufficient time for EM NV (including EM Headquarters as requested) to review and comment on any external briefing materials and public presentations. EM NV shall approve all external briefing materials and public materials prior to public release.
- b. Provide input as requested to EM NV for development of presentations, budgets, and other related services.
- c. Coordinate with Nevada Enterprise (NvE) partners (e.g., partnership meetings and NNSS site-wide coordination initiatives).
- d. Support auditing and assessing organizations; provide required presentations; respond to information requests.

At the completion of the contract, the Contractor will complete all necessary aspects of contract closeout. This will include, but not be limited to, satisfying all subcontracts; completing necessary filings; providing complete equipment logs, and accounting for all equipment and government property under its cognizance. The Contractor shall meet, as necessary, with the

follow-on contractor or the government to ensure a seamless transition. Other duties associated with transition to a new contract or governmental entity may be required.

At least one hundred and twenty (120) days prior to the expiration date of the final task order issued under the contract, the Contractor shall submit a detailed Contract Completion Transition Plan. The Contract Completion Transition Plan shall include the approach the Contractor will take to ensure the successful transfer of responsibility at the end of the Period of Performance (POP) in the following areas as applicable:

- a. Transition of all facilities, facility operations, and environmental permits to the follow-on contractor;
- b. Support due diligence walk downs of facilities and other areas;
- c. Transfer of existing program documents to include deactivation and environmental remediation services;
- d. Transfer of authorization basis documents;
- e. Transition staff;
- f. Transfer procurement activities for materials, equipment, supplies, parts, and subcontractors required for a seamless transition;
- g. Destruction of all non-records;
- h. Transfer or retirement of all Information Technology (IT) system and applications; and
- i. Transfer of all records.

1.4.2.1.01.02 Facilities

The Contractor shall manage the DOE leased space in the EM NV LV Building including, but not limited to:

- Interfacing with the facility landlord
- Operating proximity security/badging systems
- Providing and/or coordinating office move/relocation services;
- Providing on-call support for off-normal events;
- Receiving and distributing mail and coordinating inter-office mail with the other NvE entities;
- Procuring and maintaining office supplies;
- Providing landline telephones and service.

The Contractor shall maintain an EM NV LV Building Security Plan with updates approved by DOE.

1.4.2.1.01.03 Information Technology (IT) Services, Communications and Cyber Security

The Contractor shall maintain an IT infrastructure that includes servers, desktop and mobile workstations, telecommunications, network infrastructure, data collection and reporting systems, and all other IT functions necessary to support the activities and requirements of this contract. The Contractor's approach to this requirement may be an approved Federal Risk and Authorization Management Program (FedRAMP), commercial IT system, (Cloud system) or some combination.

Protection of Classified and Sensitive Unclassified Information (SUI)

The Contractor shall protect any Classified and Sensitive Unclassified Information (SUI) to include Unclassified Controlled Nuclear Information (UCNI) generated, processed, and stored within its facilities, under its administrative control, and/or within subcontracted areas of work performance. Information Security (IS) and Operations Security (OPSEC) procedures shall be developed to comply with DOE Policy 205.1 – Department of Energy Cyber Security Program, the DOE-EM Risk Management Approach Implementation Plan (RMAIP), and with requirements for IS and OPSEC. The Contractor shall develop IS and OPSEC procedures before the end of the transition period and provide to the IT System Authorizing Official and CO for review and approval.

Access to, use of, or management of classified electronic information is required to execute the scope of this contract. In the event that access to classified information is required, the Contractor will execute access to classified information in coordination with the NNSA NFO and accessed in NNSA NFO established limited areas. There will be no access to classified information in the EM NV LV Building. The nature of the work performed under this PWS and its general logical proximity to classified IT information systems indicates actionable risk for the contamination of the Contractor's unclassified IT systems due to inadvertent spillage of classified information or other unplanned events. Before the end of the Transition period, the Contractor shall develop, submit and maintain an Incident Response and Cyber Security Contingency Plan (Contingency Plan) to specify the actions necessary to address such events and provide to the IT System Authorizing Official and CO for review and approval. The Contingency Plan shall, at a minimum, address actions necessary to mitigate loss of IT services that may arise from such an event and to prevent the further dispersal of the unauthorized information through the Contractor's IT systems. The plan shall include sources of available cleared personnel, which may be required to assess the severity and extent of the event, and assist with containment and mitigation activities. The contractor may elect to utilize a local cleared NNSA contractor and/or cleared EM NV federal employees.

Authorization of Information Technology Systems

The EMCBC serves as the Authorizing Official (AO) for all contractor-operated EM NV Program IT systems. The Contractor shall obtain Authority to Operate (ATO) in accordance with DOE Order 205.1 and the EM RMAIP (Risk Management Approach Implementation Plan) for all IT systems it operates in support of the scope of this contract. Due to the continuing emergence of new threats and risks, the contractor shall be prepared to implement configuration and material changes to the network to mitigate risk as directed by the AO or his representative. The contractor network will be subject to monitoring and instrumentation by the AO.

Major concerns addressed in DOE's cyber security and IT policies are the handling of SUI (to include personally identifiable information (PII)), protecting all information and information systems from unauthorized access, and reporting to DOE any significant attempts or successful intrusions into these systems by unauthorized individuals.

For each IT system it intends to utilize, the contractor shall obtain an interim ATO within 30 days after NTP. The contractor shall notify EM NV of a proposed date for assessment for interim ATO of the IT system(s) and provide completed FIPS-199 Security Categorization Assessments

for each system. This interim assessment will evaluate the following NIST 800-53 Rev. 4 Control Families for Interim ATO:

AC – Access Control;
CM – Configuration Management;
CP – Contingency Planning;
IR – Incident Response; and
PE – Physical and Environmental Protection.

Upon successful attainment of the interim ATO, the Contractor shall complete up to two additional assessments for each IT system, covering the remaining 13 Control Families. The Contractor and AO will negotiate and agree to the schedule and family sequence to attain full ATO. Additionally, the Contractor will be subject to continuous monitoring as provided for under the EM RMAIP and as implemented by the AO or his representative.

Hardware/Software Systems and Applications

The Contractor shall develop, maintain and submit a System Security Plan (SSP) to EM NV with supporting Configuration Diagrams, and other exhibits. Where the Contractor stores or processes federally-owned data on commercially-provided IT systems (typically referred to as “Cloud” or “SaaS” systems), the Contractor shall use only those commercial systems which have been authorized and certified for such use through the FedRAMP. The Contractor shall fully document such systems in the SSP, supporting Configuration Diagrams, and other exhibits.

Contractor shall make provisions in the SSP(s) for its supporting subcontractors’ IT systems. Where a direct data interchange occurs *only between the Contractor’s IT system(s) and a subcontractor’s System*, the Contractor may apply a graded, risk-based approach to the application of the ATO requirements of this contract to the subcontractor system. The FIPS-199 Evaluation for Security Categorization will include identification and evaluation of risks associated with the subcontractor IT systems. Where a subcontractor IT system *directly interfaces* with EMCBC IT systems, or provides direct public access to government information, a separate, full ATO shall be required.

Applications purchased or developed to support this contract shall be able to run on mandatory IT baseline security configurations without any deviations and must comply with the appropriate controls as documented in *Security and Privacy Controls for Federal Information Systems and Organizations*, National Institute of Standards and Technology (NIST), Joint Task Force Transformation Initiative Task Force, Special Publication 800-53, Revision 4, 2014 (or subsequent final, approved revisions). The Contractor shall deploy compensating controls on Legacy Systems and Applications while these are in production. For purposes of this contract, Legacy Systems and Applications are defined as network equipment, operating systems, database management systems, commercial off-the-shelf software (COTS), and programming languages which are no longer supported by their manufacturer or provider for security updates and patches. Also included are custom-developed or other “in-house” software applications which may rely on one or more of the previous for their operation. Such systems and applications shall be replaced as soon as feasible as determined by the AO. The SSP will document production legacy systems and applications. For each legacy system and application

identified for replacement, the Contractor shall prepare a Plan of Action and Milestones (POAM) for submittal to the AO.

Where cyber security, cost, and performance considerations allow, the Contractor shall give priority to the use of federally available enterprise applications and licenses, if they exist, over the direct purchase of commercial products, and those two categories over the development of custom, in-house IT solutions to implement and support the Contract; including hardware or software solutions to support cyber security. The Contractor shall obtain written authorization from the AO prior to implementation of any new systems, applications, or web sites that provide public access to government-owned information or data.

The Contractor shall utilize the DOE approved Microsoft Office 365 government services for email.

Software Systems and Applications

The incoming Contractor will receive Operating, non-proprietary EM NV Program software at the completion of the Transition period. The Contractor shall provision its chosen IT infrastructure, software systems, and applications with coordinated access to the necessary information to support contract execution and EM NV contract oversight. Oversight interfaces include communication with EM NV federal employees and EMCBC personnel who communicate directly with the EM NV Program through the general EMCBC IT services network. At the discretion of the Contractor and in accordance with approved SSPs, the Contractor staff, sub-contractors and other stakeholders can gain access to information by direct user-network interface; remote network access; or other secure electronic data interchange.

1.4.2.1.01.04 Records Management

The Contractor shall manage records (regardless of media) in accordance with 44 U.S.C. 21; 44 U.S.C. 29; 44 U.S.C. 31; 44 U.S.C. 33; 44 U.S.C. 35; 36 CFR Chapter XII, Subchapter B, Records Management; *Managing Government Records Directive* (M-12-18); and the DOE Records Management Program in Section J, Attachment J-1 entitled, *Requirements Sources and Implementing Documents* and applicable DOE Directives listed in List B). The Contractor shall have all records in a format suitable for transfer at completion of the contract. Record functions include, but are not limited to, tasks associated with the records lifecycle (creating, receiving, maintaining, and dispositioning). Contractor will support records management data calls by National Archives and Records Administration (NARA) and DOE-HQ; Freedom of Information Act (FOIA); Privacy Act; Energy Employee Occupational Illness Compensation Program (EEOICPA); Chronic Beryllium Disease Prevention Program; Congressional inquiries; and legal discoveries. The Contractor shall provide records support for EM NV records.

Electronic Records Management System (ERMS)

The Contractor shall develop and implement records management controls to ensure that the identification, maintenance and disposition of all records (regardless of media). This includes ensuring all records are managed electronically (including email and records from a predecessor contractor) utilizing an ERMS that meets the requirements of 36 CFR 1236 (NARA Universal Electronic Records Management Requirements) in accordance with Federal and DOE requirements and guidelines for all records. The ERMS shall have a web interface to allow EM

NV staff to view records within the ERMS. The contractor shall document their recommended path forward for an ERMS in the Records Management Plan, with implementation to begin no later than 90 days after DOE approval of the RM Plan. The ERMS shall be fully functional within 180 days of approval of the RM Plan.

The Contractor shall develop and implement a process to the management of records in an electronic format and that scanned or converted records meet NARA requirements. All records (regardless of media) must be scheduled, arranged, and cutoff by collections (e.g., case file, project, chronologically, numerically, alphabetically, etc.) for proper disposition in accordance with NARA-approved DOE Records Disposition Schedules.

Audiovisual Records

The Contractor shall implement records management requirements for the creation, maintenance and storage of audiovisual records in accordance with 36 CFR 1237, 36 CFR 1235.42, and NARA requirements/guidance. The Program shall include disaster prevention mitigation and recovery of records in the event a records emergency/disaster results in damage to records.

Essential (Vital) Records Program

The Contractor shall develop and implement an Essential (Vital) Records Program including essential records inventory in accordance with 36 CFR 1223, DOE O 243.1, and the Continuity of Operations Program.

Records Ownership

Except for those defined as Contractor-owned (in accordance with DEAR 970.5204-3, “Access to and Ownership of Records”), all records (see 44 U.S.C. 3301 for the statutory definition of a record) acquired or generated by the Contractor (and subcontractors) in the performance of this Contractor including, but not limited to, records from a predecessor contractor (if applicable) and records described by the Contractor as being maintained in Privacy Act Systems of Record shall be the property of the Government.

Electronic Information Systems (EIS)

The Contractor shall export records contained in electronic information systems (EIS) into the ERMS in accordance with 36 CFR 1236 “Electronic Records Management”. An EIS is a system that automates certain business functions. The Contractor must design and implement migration strategies to counteract hardware and software dependencies, including proprietary file and data formats, for electronic records not exported to an ERMS but have a retention beyond the life of the information system originally created and captured the records. The Contractor shall provide a list of all EISs annually utilizing a format provided by EM NV.

Inventory and File Plan

The Contractor shall conduct records inventories for all types of records created/received (by record series), develop a file plan based on the records inventory that provides the identification, location, arrangement, assignment of the NARA-approved DOE Records Disposition Schedule/Disposition Authority, and retrieval of all categories (record series) of records created and received, including Contractor-owned.

Quality Assurance Records

The Contractor shall appropriately manage and categorize records classified as Quality Assurance records under the DOE approved consensus standard in accordance with the standard AND 36 CFR Chapter XII, Subchapter B, and ensure they are traceable to the applicable item, activity, or facility.

Privacy Act Records

The Contractor shall ensure that records generated/received in the performance of the contract, including records obtained from a predecessor contractor, that contain personal information retrieved by name or another personal identifier are categorized and maintained in Privacy Act systems of records, in accordance with FAR 52.224-2, the “Privacy Act”, and DOE Order 206.1, “DOE Privacy Program.”

Records Disposition

The Contractor shall document the disposition process, which shall include processing records to storage (e.g., FRC) and the destruction process for records and information content. The Contractor shall disposition all records in accordance with the NARA-approved DOE Records Disposition Schedules and applicable federal laws and regulations. Disposition activities include scanning to electronic (permanent to NARA); transferring of paper records to a FRC; maintaining electronically in an ERMS; and/or destroying upon completion of retention timelines and obtaining proper approvals, including approvals from EMCBC Chief Counsel and the EMCBC Records Management Field Officer.

The Contractor shall provide support of the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA), as required.

1.4.2.1.01.05 Fleet Management

The Contractor shall manage a fleet management program for the EM NV Program that complies with Section H clause, DOE-H-2072, Use of Government Vehicles by Contractor Employees (Oct 2014). The EMCBC will enter into and maintain the GSA lease agreements. The Contractor shall manage the fleet of GSA-leased motorized vehicles to include, but not limited to, scheduling vehicle repair and modification services as required; performing record keeping; managing vehicle assignments; and ensuring vehicle utilization.

For refueling GSA vehicles off the NNSS, the Contractor shall use the card provided for each GSA-leased vehicle. For refueling GSA vehicles at the NNSS, the Contractor shall use the on-site refueling stations maintained and operated by the NNSA M&O Contractor.

1.4.2.1.01.06 Real and Personal Property Management

The Contractor shall manage all government-owned accountable and non-accountable personal property in accordance with the requirements listed below and in accordance with established DOE directives and other regulations and laws (FAR Part 52.245 41 CFR 101 and 41 CFR 109.

Personal property program administration is the responsibility of the Contractor including managing an automated database of all personal property actions related to acquisition, use and disposition as follows:

- Control classified equipment and material in accordance with DOE O 471.6, “Information Security,”;
- Control high risk property in accordance with DOE Personal Property Letter 970-3, Rev.1, dated February 3, 1998;

The Contractor shall disposition personal property. Prior to property disposition, the Contractor shall characterize the property, maintain characterization records, and provide those records at the time of property transfer. The Contractor shall coordinate excessing processes with the NNSA M&O. The NNSA M&O provides pick up, storage and disposition of property identified for excess.

The Contractor shall procure and maintain operability (e.g. perform software updates) of hand-held and/or vehicle mounted radios for the EM NV Program which meet the specifications defined by the M&O.

The Contractor shall be responsible for the space management planning in government furnished facilities for its use as well as any office relocations, minor or miscellaneous furniture moving, fixture installation, removal or adjustment for both DOE and Contractor personnel.

The Contractor shall provide all requested informational support to the DOE Certified Realty Specialist in furtherance of site real estate activities. Such support may include due diligence in leasing and disposal, managing real estate processes, property and facility management, space planning and reporting.

1.4.2.1.01.07 Training and Qualifications

The Contractor shall maintain a trained and qualified workforce. The Contractor shall meet training and qualification requirements and shall verify that all employees have completed the necessary training and qualification requirements to perform their assigned tasks. The Contractor shall track employee-training status and notify employees of training needs (this includes necessary training provided by other NvE entities, vendors, and internal Contractor training). The Contractor shall coordinate with other NvE entities as appropriate to integrate with and consolidate the performance of training where necessary for site-wide integration.

The Contractor shall ensure that its training program is configured/managed so that personnel who do not have the necessary training (e.g., not trained, not pre-qualified, etc.) are prohibited from performing work that requires training. Training records shall be readily available for inspection upon EM NV request.

1.4.2.1.02 Project Planning and Control

The following sections define the programs that must exist to safely and effectively perform the EM NV Program cleanup mission. The requirements and associated implementing instructions

established under these programs shall apply to all work within the PWS.

Project Management

- (a) Successful execution of the project management work scope will ensure cost and schedule efficiency while minimizing programmatic risks. The Contractor shall ensure that project management practices are used in the performance of work including the development of project management plans, baselines, disciplined change control processes and service level agreements.
- (b) The Contractor shall prepare and submit for DOE approval a Project Management Plan (PMP), consistent with the requirements in DOE O 413.3, *Program and Project Management for the Acquisition of Capital Assets*. The capital asset projects do not need to be standalone project management plans and instead, may be an appendix to the PMP.
- (c) The Contractor shall provide all management and technical information to:
 - (1) Meet the requirements of DOE O 413.3, when applicable.
 - (2) Support the budget formulation activities including, but not limited to, emerging work items list; budget formulation input (including Integrated Priority List), the fall limited budget update submission, budget scenario development, and budget presentations (such as public and regulatory briefings, etc.).
 - (3) Meet the data requirements of the DOE Integrated Planning, Accountability, and Budgeting System (IPABS) and the Project Assessment and Reporting System (PARS II). Data for all scope authorized by Task Orders, including operations activities and capital projects less than \$50M or prior to CD-2, shall be uploaded into PARS II in accordance with the "Contractor Project Performance Upload Requirements" document maintained by the DOE Office of Project Management.
 - (4) Ensure transparency in project performance and efficiency in project execution.
 - (5) Support audits, evaluations, and external technical reviews.
 - (6) Support other DOE project performance assessments and information needs.
- (d) All project management information developed under this Contract shall be accessible electronically by DOE. This includes providing the required for information for baseline maintenance and performance measure tracking and reporting in the Environmental Management Information System and Primavera P6 Professional Project Management software for the approved contractor work scope. The desired outcome is a predictable and consistent Contractor performance aligned to customer needs conducted within annual and multi-year baselines.

Project Integration and Control and Earned Value Management

- (a) The Contractor shall provide an Earned Value Management System Description (EVMSD) that complies with the requirements of Section H clause Earned Value Management System,

the Electronic Industries Alliance EIA-748 Earned Value Management System Acceptance Guide and EIA-748 Earned Value Management Intent Guide and DOE O 413.3.

- (b) The EVMSD shall describe the management processes and controls that shall be used to implement a compliant Earned Value Management System (EVMS), manage and control work, and complete Contract requirements.
- (c) The EVMSD shall include:
 - (1) The baseline development process and the hierarchy of documents that shall be used to describe and maintain the Performance Measurement Baseline (PMB);
 - (2) Identification of the systems, tools and software and integration of these systems with the Work Breakdown Structure (WBS) and accounting systems and data;
 - (3) The process the Contractor intends to use for earned value management, configuration control, interface control, and document control;
 - (4) The Contractor's Project Baseline Change Control Process;
 - (5) The Contractor's process for handling changes that are only impacts to costs and not identified as a schedule impact;
 - (6) The Organizational Breakdown Structure, including roles and responsibilities of each major organization and identification of key management personnel; and
 - (7) A list of project software the Contractor proposes to use for project control.
- (d) The Contractor shall comply with the requirements of the Section H Clause, DOE-H-2024, Earned Value Management System, and, if required, have the EVMS evaluated against the EIA-748 standard by a qualified, independent, third party selected by the DOE Office of Project Management (DOE-PM). Upon completion of the evaluation and closure of all corrective actions, DOE-PM will certify the Contractor's EVMS as compliant with the EIA-748 standard. Subsequent to the initial evaluation and certification, DOE-PM may at any time require the Contractor to repeat the evaluation and certification process. The Contractor shall provide all necessary support to conduct the initial and any subsequent evaluations and closure of all corrective actions.
- (e) The Contractor shall also flow down EVMS requirements in accordance with the Section H Clause, DOE-H-2024, Earned Value Management System.

Performance Measurement Baseline (PMB)

- (a) The PMB shall be an integrated and traceable technical scope, schedule, and cost execution baseline that encompasses all activities to execute the requirements of this Contract, informs and is integrated with other site contractors' life-cycle scope, schedule and cost baseline, as applicable, and enables safe, effective and efficient advancement and completion of the site mission.

(b) The PMB shall include the following:

- (1) Technical Scope. The following baseline documents shall be viewed collectively as the technical scope for the cost/schedule control system:
 - (i) Contract PWS and other sections that define work scope and requirements;
 - (ii) Waste site and facility lists as applicable;
 - (iii) Approved interface agreements; and
 - (iv) WBS Dictionary Sheets (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]).

(c) The PMB shall comply with the following requirements:

- (1) The WBS shall encompass all activities required in this Contract and provide the basis for all project control system components, including:
 - (i) Estimating;
 - (ii) Scheduling;
 - (iii) Budgeting; and
 - (iv) Project performance reporting (as required under this contract).
- (2) Control accounts within the WBS shall be identified; and
- (3) The baseline and management thereof shall comply with EIA-748 Earned Value Management Systems and DOE O 413.3.

(d) The schedule shall:

- (1) Include all significant external interfaces, Contractor milestones, FFACO milestones, other regulatory commitments, and Government-Furnished Services and Information (GFS/I) dependencies.
- (2) Be an activity based, resource loaded, logical network-based and integrated plan that correlates to the WBS and is vertically traceable to the EVMS control accounts and aligns with the Contractor's field schedules.
- (3) Include earned value method at the activity level and be capable of summarizing from control accounts to higher WBS levels.
- (4) Any additional working level schedules deemed necessary by the Contractor shall be integrated with the PMB and be able to provide earned value reporting in compliance with EIA-748.
- (5) The PMB cost estimate shall include project resource plans, detailed resource estimates, basis of estimates, budgetary requirements, and identification of direct costs, and indirect costs

- (6) The method used to determine earned value shall be identified for each control account.
 - (7) The PMB schedule shall be accessible to DOE at any time through access to electronic software and native data files.
 - (8) The Contractor shall update the Enterprise Project Structure Node of the DOE Primavera P6 (P6) Schedule Database with the Primavera XER files for the baseline and current performance schedules.
- (e) The PMB shall be logically tied, driven and integrated with:
- (1) Financial system(s) for consistency and accurate reporting of information with traceability to budget and reporting requirements.
 - (2) DOE, congressional, regulatory, and external commitments.
 - (3) Performance milestones including contract performance incentives and other performance measures established by DOE.

Performance Measurement Baseline Submittals

- (a) The Contractor shall develop and submit an initial PMB that is representative of the initial Task Order scopes of work. Subsequent updates to the PMB will occur as each Task Order is negotiated and awarded and implemented into the PMB. These proposed PMB updates, for additional Task Order work only, will be submitted as part of the Task Ordering Process to the CO, for DOE and Contractor negotiation, and DOE approval as part of the Contractor's Task Order Proposals. The Contractor shall comply with the requirements of Section H, Task Ordering Procedure. The Contractor shall also follow the requirements of their EVMSD requirements for baseline change control process.
- (b) The Contractor shall provide the WBS, WBS dictionary data, and basis of estimate data in either Microsoft Word© or Microsoft Access© format. Cost data shall be provided in Microsoft Access© or Excel© format and the schedule shall be provided utilizing the current version of Primavera Systems, Inc., Enterprise for Construction© software unless agreed to otherwise by DOE. Once approved by DOE, the contractor shall submit the approved data into EMIS for final authorization.
- (c) The Contractor shall provide additional data that may be required by the DOE for development of the site-wide life-cycle baseline and DOE Integrated Master Plan (IMP).
- (d) The Contractor shall support DOE External Independent Review and Energy Systems Acquisition Advisory Board (ESAAB) review of the initial submittal of the PMB and follow-on reviews of annual updates as required.
- (e) The Contractor's proposed cost estimate(s) shall include scope statement, project resource plans, detailed resource estimates, basis of estimate, budgetary requirements, PMB schedule and identification of direct costs, indirect costs, management reserve, and fee.

Project Performance Reporting

- (a) The Contractor shall provide DOE with the necessary project performance information to support budget planning and execution, project planning and execution; project performance reporting, audit and evaluation; and other DOE performance assessment and information needs.

Monthly Performance Report

- (a) The Contractor shall submit to EMIS the monthly cost performance at the lowest WBS level representing the cost performance for the prior month by the seventh business day of each month. The required performance data includes actual cost and labor hours incurred and earned value cost performance during the reporting period and estimated remaining cost. The contractor shall submit to DOE the PMB schedule status in P6 XER format representing the prior month's schedule performance by the seventh business day of each month.
- (b) The Monthly Performance Report shall include a summary of overall contract performance and a separate report for each of the major work scopes and projects at the PBS level.
- (c) The summary of overall contract performance shall include:
 - (1) Key accomplishments
 - (i) Major issues including actions required by the Contractor and DOE;
 - (ii) Analysis of funds expenditure, with projections for the project by Fiscal Year and life of the Contract;
 - (iii) Technical scope, schedule, and cost variance analysis; including implications to near term and long term milestones and deliverables at risk of being missed;
 - (iv) Discussion of corrective actions currently in place to address performance issues including initiation date of corrective actions; and
 - (v) Information on any safety or quality matters that emerged or persisted during the reporting month.
- (d) Each of the major project reports shall include:
 - (1) Project manager's narrative assessment including:
 - (i) Significant accomplishments and progress towards completion of project goals and objectives
 - (A) Key risks and challenges; and
 - (B) Evaluation of safety performance (including Integrated Safety Management Systems [ISMS] metrics and all recordable injuries, lost-time injuries, and near misses).
 - (2) Business structure information to demonstrate ongoing compliance with the requirements of the Section H clause entitled, *Subcontracted Work*;
 - (3) Project Baseline Performance including:
 - (vi) EVMS information using the following Office of Management and Budget (OMB) Contract Performance Report formats (DID-MGMT-81466);

- (vii) Format 1, DD Form 2734/1, Mar 05, Work Breakdown Structure;
 - (viii) Format 2, DD Form 2734/2, Mar 05, Organizational Categories;
 - (ix) Format 3, DD Form 2734/3, Mar 05, Baseline;
 - (x) Format 4, DD Form 2734/4, Mar 05, Staffing; and
 - (xi) Format 5, DD Form 2734/5, Mar 05, Explanations and Problem Analysis.
- (4) The Contract Performance Reports shall be provided in the format forms referenced in Integrated Program Management Report (IPMR) Data Item Description (DID) DI-MGMT-81861 unless the Contract specifies otherwise;
 - (5) Contract Funds Status Report (CFSR) shall be provided in accordance with Data Item Description, DID-MGMT-81468, CFSR, or equivalent;
 - (6) Baseline schedule status, which reflects progress against the baseline and includes critical path analysis, performance trends, variance discussion(s), and potential issues related to milestones;
 - (7) Contract ETCs and EACs,
 - (8) A change control section that summarizes the scope, technical, cost, and/or schedule impacts resulting from any implemented actions; and that discusses any known or pending baseline changes and utilization of management reserve;
 - (9) Project risk assessment, including identification of critical risks, actions planned, and actions taken to address those risks, potential problems, impacts, and alternative courses of action, including quality issues, staffing issues, assessment of the effectiveness of actions taken previously for significant issues, or the monitoring results of recovery plan implementation;
 - (10) The project risk assessment shall also identify the engineering and technology to reduce the risk and uncertainty with the project; and
 - (11) Actions required by DOE, including GFS/I and DOE decisions.

Project Review Meetings

The Contractor shall participate in a monthly contract/project review and be prepared to address any of the information in the monthly report and other information as requested by DOE. A weekly contract or project status meeting shall be conducted at DOE's request to provide interim updates and address issues.

Cost Estimating

- (a) Cost estimates shall be credible, well documented, accurate, and comprehensive.
- (b) Contractor developed cost estimates form the basis of the cost baseline of the PMB and are important when evaluating proposed Contract changes. DOE uses these cost estimates for budget formulation, Contract change management, cleanup program planning, establishing a

database of estimated and actual costs, and performance measurement. The Contractor shall prepare cost estimates in accordance with the requirements in Section H, Cost Estimating and Section H, Task Ordering Procedure of this Contract and using *The Twelve Steps of High-Quality Cost Estimating Process* identified by the Government Accountability Office (GAO) in GAO-09-3SP, *GAO Cost Estimating and Assessment Guide*, for all priced Contract actions exceeding the simplified acquisition threshold.

Scheduling

- (a) The Contractor shall support DOE in the development and maintenance of a DOE IMP upon DOE HQ development of a standardized coding structure. The Contractors PMB and Integrated Master Schedule (IMS) shall utilize any DOE HQ provided coding structure to integrate the Contractor's activities and capital asset projects into the DOE Program Integrated Master Plan (IMP). The IMS integrates the operations activities, capital asset projects, and other activities managed by the Contractor into one schedule. DOE will use the individual Contractor IMS from the Contractor and other site contractors to construct the IMP.
- (b) The Contractor shall develop the IMS in accordance with the National Defense Industrial Association's *Planning & Scheduling Excellence Guide* (v3.0), and EIA748 Guidelines. The Contractor's IMS shall be resource loaded.

Risk Management

- (a) Successful execution of the site cleanup mission requires an integrated risk management program where crosscutting risks and mitigation actions are identified, communicated, and coordinated with DOE and other site contractors. The conduct of risk management shall result in risk informed prioritization of program, project and infrastructure investments that facilitate successful project execution and program management.
- (b) The Contractor shall implement a risk management program in compliance with DOE O 413.3 and DOE policy Requirements for Management of the Office of Environmental Management's Cleanup Program. The Contractor shall also incorporate the principles of DOE G 413.3-7, Risk Management Guide, and GAO 09 3SP in its risk management process.
- (c) The Contractor shall submit a Risk Management Plan (RMP) to DOE for approval. The capital asset projects do not need to be standalone risk management plans and instead, may be an appendix to the RMP. The plan shall identify the processes and procedures that will be implemented to address risk identification, qualitative risk assessment, quantitative risk analysis, risk handling, schedule risk analysis, risk monitoring and reporting and calculating the recommended management reserve and schedule reserve required for adequate management of Contractor-controlled risk.
- (d) The Contractor shall communicate its risk analysis pertaining to crosscutting decisions to DOE and other site contractors, including agreement as to who shall be the lead for managing each risk. These crosscutting impacts shall be quantified in terms of probability, cost, and schedule impact to the overall site cleanup mission where possible.

1.4.2.1.03 Health and Safety

The Contractor shall reduce or prevent occupational injuries, illnesses and accidental losses by providing a safe and healthful workplace. The Contractor shall ensure access to or implementation of worker safety and health; integrated safety management (ISMS); radiation protection; radiological site services (RSS); occupational medical services; industrial hygiene; hazard communication; and emergency management. The Contractor shall integrate with the NvE to ensure site-wide information sharing and integration as necessary. The Contractor integrates with and participates as a member of the NvE to include partnering with other tenant organizations in the development, approval and implementation of site-wide ES&H documents as deemed appropriate by the NvE committee and DOE.

The Contractor shall:

- a. Develop and implement a Worker Safety and Health Program that complies with 10 CFR 851, Worker Safety and Health Program, and submit the program to DOE for review and approval.
- b. Develop and implement a Workplace Substance Abuse Program (WSAP). The authorities and requirements for a WSAP are from 49 CFR 40 and 10 CFR 707, *Workplace Substance Abuse Programs at DOE Sites*. The Contractor shall provide a WSAP Implementation Plan for DOE review and approval prior to commencement of work.
- c. Perform work in compliance with 10 CFR 850 Chronic Beryllium Disease Prevention Program. The Contractor will integrate with the NNSA M&O Contractor as necessary to ensure the availability of site-wide Beryllium information. The Contractor will submit a Chronic Beryllium Disease Prevention Program Description to DOE for review and approval.
- d. Adopt and continuously improve organizational culture (core values and behaviors), safety culture, and Safety Conscious Work Environment, including implementation and utilization of programs/processes that support employees raising concerns without fear of retaliation. These programs/processes include, but are not limited to Employee Concerns Program (ECP); Differing of Professional Opinions Process; Ethics and Compliance Program/Process; and Alternative Dispute Resolution. The Safety Culture will:
 - Continuously promote a work environment where employees are encouraged to raise concerns. The Contractor shall define expectations, rigorously reinforce those expectations, and take actions to mitigate the potential for a chilling effect.
 - Conduct business in a manner fully transparent to DOE. Activities are demonstrated by open, clear, and well-communicated management actions and technical and project documentation. Identified issues and trends are proactively shared with DOE.
 - Champion a culture that promotes proactive self-identification and reporting of issues that identities and takes action on system weaknesses leading to sustained continuous self-improvement.
 - Champion a culture that emphasizes the following attributes: Demonstrated safety leadership; risk-informed, conservative decision making; management engagement and time in the field; staff recruitment, selection, retention, and development; open communication and fostering an environment free from retribution; clear

- expectation and accountability; personal commitment to everyone's safety; teamwork and mutual respect; participation in work planning and improvement; mindful of hazards and controls; credibility, trust and reporting errors and problems; effective resolution of reported problems; performance monitoring through multiple means; use of operations experience; and questioning attitude.
- e. Develop, implement, and submit to DOE for review and approval a Radiation Protection Program in compliance with 10 CFR 835, Occupational Radiation Protection to include, but not limited to, providing safety and health Personal Protective Equipment (PPE) for its employees and subcontractors; providing respirators/filters and performing fit tests; and disposing of such PPE. The NNSA M&O Contractor provides internal and external dosimetry services to meet requirements for personnel entering controlled NNS areas compliant with the DOE Laboratory Accreditation Program (LAP) requirements. As the landlord of the NNS, the NNSA M&O reviews necessary radiological, dosimetry and bioassay data for site-wide application and provides results to the EPS Contractor which performs an analysis in accordance with EPS procedures and conducts investigations as necessary.
 - f. Ensure medical screening of employees required to enter the work areas and meet the requirements of the Contract. The NNSA M&O performs occupational medical services for workers (e.g. drug and alcohol screening; work-related injury care; post-accident screening and testing); provides medical screening to site personnel required to enter the work areas and meet the requirements of the Worker Safety and Health Program or Radiological Protection Program; and ensures access to health programs/ambulatory care.
 - g. Develop and implement a fire protection program for the work being executed under this contract and submit the program to DOE for review and approval prior to commencement of work. NNSA owns the Wildland Fire Management Plan in accordance with and fulfilling the requirements of DOE Order 420.1, *Facility Safety*. Emergency Management aspects of Fire Protection are handled in accordance with Attachment J-9, *Site Servicers and Interface Requirements Matrix*, including baseline needs assessment which includes any EPS actions for Wildland Fire management. The contractor shall provide input as requested to support the NNS Emergency Services.

1.4.2.1.04 Quality Programs

The Contractor shall submit a Quality Assurance Plan (QAP) that implements Quality Assurance (QA) program requirements identified in Section E and Section J, Attachment J-1. The Contractor shall document and submit for EM NV approval a standalone graded approach or a graded approach combined with the QAP.

1.4.2.1.05 Technical & Regulatory Support

The Contractor shall provide all necessary Technical & Regulatory Support in the areas of environmental compliance; quality assurance; waste operations; radiological; analytical sample and data management; analytical data validation; regulatory compliance; integrated safety management; and for integration with and providing technical recommendations to NNSA NFO and/or EM National Environmental Policy Act of 1969 (NEPA) experts.

The Contractor shall execute work consistent with DOE NEPA decisions (Section J, Attachment J-2, Table J.2-2); complete an Environmental review prior to implementation of field work; and include the development and NEPA Compliance Officer (NCO) approval of the NEPA Checklists in planning. The checklist template is in Section J, *EMCBC-SLA Environmental Checklist*. In addition to completing checklists, the Contractor shall propose a recommendation for either the use of a DOE 10 CFR 1021 specific Categorical Exclusion(s) or recommendation that the impacts were already analyzed as part of the existing Site-wide Environmental Impact Statement (EIS).

If the appropriate NCO determines that a new Environmental Assessment (EA), EIS, or supplemental document to the existing programmatic Site-Wide Environmental Impact Statement for the Nevada National Security Site and Offsite Locations in Nevada (NNS SWEIS) (U.S. DOE, NNNA Nevada Site Office 2013) is required, it will be performed by another contractor. The Contractor shall provide project information and coordinate with the specific NEPA EA/EIS contractor.

The Contractor shall integrate with the NNSA M&O Contractor in obtaining Real Estate Operating Permits (REOP) as required. The NNSA M&O manages the REOP process to ensure that work performed is defined; properly authorized; and has distinct geographical boundaries.

The Contractor shall provide and support services for its projects in the areas of air, water, facility environmental monitoring, and collect, compile, and/or integrate monitoring data from operations and activities under its control. The Contractor shall provide project information for development of the Annual Site Environmental Report and integrate its environmental permitting and regulatory compliance activities with the site-wide permitting and compliance framework. All field work shall adhere to all existing cultural and archeological agreements that are in place for the NNS, including planning and coordinating cultural and archaeological surveys in advance of field work as applicable.

DOE Consolidated Audit Program

The Contractor shall provide technical experts and/or observers in support of the DOE Consolidated Audit Program (DOECAP). Frequency and type of support is dependent upon amount of projected contract laboratory effort and EM NV approval for any given year. The Contractor shall also provide an auditor to participate on the DOECAP audit team.

1.4.2.1.07 Environmental Management Integration

The Contractor shall integrate EM NV Program initiatives involving the Nevada EMIS, FFACO, strategic communications, strategic planning, classification, emergency preparedness/response, quality assurance, and stakeholder information needs.

EMIS and FFACO database activities include the day-to-day operations and maintenance of the EMIS and FFACO databases as well as user interfaces/web applications.

Strategic communications includes communication tools to develop and disseminate external information for all EM NV Program activities. The Contractor will manage all EM NV Program efforts for communicating with the Nevada Site Specific Advisory Board (NSSAB); general

public; media; intergovernmental agencies; national, state, local, and tribal government entities; various oversight and public interest groups; EMCBC; DOE Headquarters; regulatory agencies; and the Nevada business community. Strategic communications activities include, but are not limited to:

- Writing and publishing news articles and newsletters;
- Coordinating, editing, and finalizing internal and external presentations;
- Development and maintenance of fact sheets and communications plans;
- Planning and/or participating in stakeholder outreach and education events;
- Planning and supporting Waste Generator Workshops;
- Planning and hosting low-level waste stakeholder forum meetings;
- Developing EM NV Program input to DOE Headquarters communications deliverables;
- Supporting responses to off-normal events and occurrences;
- Planning and facilitating site tours and visits; and
- Documenting activities in photographs and videos.

The Contractor is also responsible for managing all NSSAB meetings and activities and for ensuring compliance with the Federal Advisory Committee Act and other applicable requirements.

The Contractor provides crisis communication personnel to serve as part of the cadre for the NNSA Emergency Response Organization Joint Information Center.

1.4.2.1.08 Regulatory and FFACO Transition

The Contractor shall have all regulatory documentation for FFACO transition when the EM NV Program environmental restoration mission transitions from active investigation and restoration activities to long-term monitoring. This includes coordinating among agencies to achieve alignment of roles, responsibilities, budgeting, and technical closeout objectives with entities identified as post-closure stewards and/or future remediation leads. Because closure of sites has occurred over several decades, the Contractor shall perform a comprehensive evaluation of site closure requirements to ensure alignment. This alignment will include at a minimum a review of requirements; records assessment; technical outreach and discussions with stakeholders; requests for DOE legal review when required; and revisions to closure requirements as appropriate. The Contractor will also support development of new FFACO appendices or other regulatory agreements, as required.

1.4.2.1.09 Safeguards and Security (SAS)

The Contractor shall coordinate, support and interface with DOE and other entities and contractors who provide SAS services at the NNSA NFO, NNSA and the EM NV LV Building.

Safeguards and Security Management

The Contractor shall identify, arrange, and schedule training to ensure proficiency and competency with NNSA SAS. The Contractor shall maintain awareness of site-wide security

issues/topics and incorporate them into the Contractor's internal practices and procedures, as appropriate.

The Contractor shall implement SAS and Emergency Preparedness (EP). The Contractor shall be responsible for these activities within the DOE leased space of the EM NV LV Building, in coordination with EM NV and other tenant agencies (federal and contractor). The Contractor shall identify and coordinate their SAS operational planning with DOE for the DOE leased space in the EM NV LV Building. The Contractor shall develop; maintain; and implement security awareness training, as required, for the DOE leased space within the EM NV LV Building, and coordinate with other building tenants (federal agencies and contractors) as necessary for continuity.

The Contractor shall conduct formal self-assessments on all applicable topical areas, at intervals consistent with risk management principles and/or as directed by the cognizant security office for the DOE leased space at the EM NV LV Building.

The Contractor shall identify, implement, and close corrective actions in accordance with the SAS corrective action management programs, and applicable DOE requirements. The Contractor shall support the input of information into various SAS tracking databases for findings identified in self-assessments, SAS surveys, and by other outside sources in the SAS Program.

The Contractor shall support preparation of the EM NV Site-wide Performance Assurance Program Plan as part of the EM NV Program Building Security Plan. The Contractor shall conduct performance assurance activities, as required, within DOE leased space at the EM NV LV Building.

The Contractor shall prepare and maintain the EM NV LV Program Building Security Plan. The Contractor shall support any data calls or initiatives in support of a site-wide Performance Assurance Plan and will conduct performance assurance activities, as required, within DOE leased space at the EM NV LV Building.

The Contractor shall provide information to EM NV, to include site-specific assets and security interests, in support of developing and maintaining the EM NV LV Building Security Plan and providing information, as required, for other site-wide SAS plans. The Contractor shall comply with EM NV and NNSA NFO Security Plans, as well as all other approved SAS Plans.

The Contractor shall provide information to EM NV, to include site-specific assets and security interests, in support of developing and maintaining the EM NV LV Building Security Plan and providing information, as required, for other site-wide SAS plans. The Contractor shall comply with EM NV and NNSA NFO Security Plans, as well as all other approved SAS Plans.

The Contractor shall implement SAS actions, procedures, and/or processes, as required, by DOE that are necessary to comply with DOE design basis threat (DBT) requirements.

The Contractor shall support any Interagency Security Committee (ISC) Risk Management Process at the EM NV LV Building, as applicable, to ensure appropriate security measures and processes are in place. This may include, but is not limited to, participating on committees, making decisions on building protection levels and countermeasures, and ensuring compliance with ISC standards or presenting DOE with proposed risk acceptance.

The Contractor shall submit all required information to DOE and/or NNSA NFO for facility clearance and registration actions as required.

The Contractor shall provide information to enable the DOE cognizant security office and/or other DOE Federal authorities to: ascertain the attendant risk; whether classified information and other security assets are adequately protected, including but not limited to accurate and complete submissions of Standard Form 328, Certificate Pertaining to Foreign Interest; and information provided during annual certification and review activities.

The Contractor shall submit required information to DOE and NNSA NFO, as appropriate, for classified visits within an NNSA NFO established limited area and comply with the requirements of the approved NNSA NFO Security Plan.

The Contractor shall develop and implement procedures and processes for addressing incidents of security concern. The Contractor shall provide information and facility access to DOE and NNSA NFO, as appropriate, for investigation of security incidents. Corrective actions, resulting from security incidents, shall be developed and tracked until closure, with information provided to DOE and NNSA NFO, as required.

The NNSA M&O Contractor and security contractors provide Protective Forces (e.g., armed personnel, specialized equipment, and tactical procedures) to protect DOE assets, including people and property at the NNSA NFO and NNSS. The Contractor will integrate operational/business activities with Protective Forces and the NvE as necessary.

The Contractor shall manage EM NV LV Building protocols consistent with documented and approved risk; any ISC Risk Management Process; building's facility security committee(s); EM NV LV Building Security Plan; and other security plans and asset protection requirements.

Physical Protection

The Contractor shall ensure DOE approved physical protection measures for the DOE leased space in the EM NV LV Building are coordinated with building facility security committee(s); and shall develop and maintain an EM NV LV Building Security Plan. The EM NV LV Building Security Plan shall be submitted for DOE approval 30 days following NTP.

The Contractor shall submit for DOE review and approval, any SAS arrangements or changes prior to operations commencing, or changing operations, or configurations that might alter the performance of existing EM NV LV Building SAS systems (e.g., physical security configurations and associated hardware [sensors/cameras], patrol and entry/access control

systems/procedures). The Contractor will notify the building's facility security committee of all approved changes.

Information Security

The Contractor shall integrate and comply with DOE and NNSA site-wide security plans and DOE requirements for the identification and protection of sensitive and classified information and matter. The contractor shall ensure the protection of all sensitive and classified information commensurate with its classification level, category, and applicable caveats. Classification activities occur under the guidance of the EMCBC and include integration with the NNSA NFO.

The Contractor shall nominate a Classification Officer and a sufficient number of trained and approved Derivative Classifiers and Reviewing Officials; utilize appropriate classification and/or UCNI topical guidance available; support receipt and storage of classified documents; and inform employees of subject areas of a sensitive and/or potentially classified nature. The Contractor shall not access or store any classified information in the EM NV LV Building. The Contractor will only access and store classified information in coordination with the NNSA NFO and the EMCBC Classification Officer at the NNSA NFO.

The Contractor shall manage and implement a Controlled Unclassified Information Program; provide Official Use Only (OUO) education and awareness for all staff; and review documents released to the public or assigned a formal document number for OUO content.

Personnel Security

The Contractor shall provide relevant information to DOE and/or NNSA, as appropriate, for processing employee security clearance and non-cleared HSPD-12 credential requests. The Contractor shall notify DOE and NNSA of potential foreign visitors or employees and support the preparation and compliance with security plans. NNSA manages and conducts a centralized Personnel Security program at the site.

The Contractor shall request personnel security clearances and badges, including "Special Access" from DOE and/or NNSA NFO. The Contractor shall support downgrading and terminating clearances; support processes for obtaining security badges, keys, proximity cards, etc. from terminating employees; removing such individuals from automated access control systems; perform pre-employment/pre-clearance suitability investigations on prospective and current employees.

The Contractor shall notify EM NV and NNSA NFO of potential foreign visitors or employees, and submit a request for federal approval; prepare and submit security plans for foreign national visitors before approval of the visit/assignment. Require Foreign National Visits and Assignments (FNVA) training for Contractor personnel who host FNVAs. Conduct the FNVA in compliance with approved security plans. Submit a list of authorized delegates with authority to approve unclassified foreign visits and assignments.

Telecommunication

The Contractor shall comply with DOE Orders and Directives regarding activities involving

Communications Security (COMSEC).

1.4.3.5.03 Radioactive Waste Acceptance Program (RWAP)

The RWAP facilitates the management of radioactive waste in a safe and compliant manner by evaluating generators' waste certification programs to ensure they meet the requirements of the NNSS Waste Acceptance Criteria (WAC). EM NV grants approval to ship waste to the NNSS only after RWAP confirms that the waste generator program and submitted profile(s) demonstrate compliance with the NNSS WAC. The Contractor shall not certify the generator's waste. The Contractor will not provide physical support/assistance to the generators by packing or shipping the generator's waste.

1.4.3.5.03.02 Waste Acceptance Coordination

The Contractor shall coordinate waste acceptance activities between the generators, the NNSA M&O Contractor, EM NV, and the NNSA NFO. Functions may include:

- Establishing and maintaining interfaces with waste certification officials at waste generator sites;
- Establishing and implementing a process to share lessons learned amongst the waste generator community;
- Developing communication tools to track, disseminate, and inform stakeholders on waste acceptance activities;
- Coordinating and participating in waste generator workshops;
- Coordinating monthly conference calls with approved waste generators;
- Coordinating with new waste stream generators including developing plans for future waste shipments;
- Conducting long-term planning for waste volumes and types to support NNSS resource planning;
- Supporting communication with stakeholders for unique or emerging waste types; and
- Developing and documenting regulatory positions regarding compliance of proposed waste streams with the NNSS WAC and/or Resource Conservation and Recovery Act (RCRA) and solid waste permits.

1.4.3.5.03.03 Waste Acceptance Facility Evaluations/Verifications

The Contractor shall perform independent oversight of LLW/MLLW generators' compliance with the NNSS waste certification program and verification of waste container compliance with NNSS WAC requirements and profile information, as necessary.

The Contractor shall schedule audits on an annual basis based on a documented, risk-informed process. The Contractor shall maintain the schedule and provide to DOE along with any changes based on new information and changes in risk as necessary. The Contractor may perform audits at the generators' facilities or via desktop review when travel to the generator facility is not required. Upon discovery of non-compliant conditions, the Contractor shall recommend that DOE issue findings, as appropriate, to the waste generator. The Contractor shall perform subsequent corrective action verification and/or surveillances, as appropriate for the identified finding. Corrective action verification activities shall include tracking of open issues; review

root cause analyses, Corrective Action Plans, and supporting documentation, as appropriate.

The Contractor shall conduct LLW/MLLW verifications. MLLW verifications shall be performed based on the requirements of the RCRA Permit. LLW verifications shall be performed on a risk-informed basis or other criteria to monitor compliance of selected waste containers with NNSW WAC requirements. Verifications may be conducted at the generator's site including, visual verifications; deep dive profile reviews; and the collection of split samples or chemical screening samples. Other verification functions shall include support for periodic Real Time Radiography (RTR) examination of LLW, MLLW, and classified waste received at the NNSW Area 5 Radioactive Waste Management Complex (RWMC). The Contractor shall coordinate with the NNSA M&O Contractor to identify packages for RTR examination. The EPS Contractor shall not be responsible for physical movement of packages and operation of the RTR equipment. The EPS and the NNSA M&O Contractor shall review RTR results to make an initial determination on container acceptability. The EPS Contractor completes and signs the container verification report. In the event of an indeterminate item, the EPS Contractor shall coordinate with the M&O and the waste generator to obtain additional information. If a non-conformance is suspected, the EPS Contractor shall notify EM NV.

The EPS Contractor shall also be responsible for training any local DOE site personnel identified by EM NV to conduct visual verifications. The EPS Contractor shall notify EM NV upon completion of training via formal correspondence.

1.4.3.5.03.04 Waste Acceptance Review Panel (WARP)

The Contractor shall coordinate, schedule and facilitate all WARP activities and review meetings, and assign related support tasks for performance and documentation of complete and thorough reviews.

The WARP is a chartered technical resource panel of selected subject matter experts who review generator waste profiles and supporting documentation. The WARP is an established forum sponsored by DOE and consists of the following:

- RWAP Manager (EPS Contractor);
- WARP Review Lead (EPS Contractor);
- Criticality Safety Review Expert (EPS Contractor);
- Waste Traceability Expert (EPS Contractor);
- Radioactive Waste Transportation Expert (EPS Contractor);
- Physical/Chemical Characterization Expert (EPS Contractor);
- Radiological Characterization Expert (EPS Contractor);
- RWMC Operations personnel (M&O Contractor);
- Performance Assessment Expert (M&O Contractor);
- Radioactive Waste Operations Nuclear Facility Manager (M&O Contractor); and
- Other subject matter experts, as necessary.

The WARP reviews and recommends approval and/or disapproval of waste profiles including

NNSS WAC deviation requests; initiates development of position papers; reviews generator documents; and provides recommendations on related technical issues to DOE. Approval authority for all waste remains with DOE. The NDEP offers input as a WARP participant, but does not formally approve or concur on WARP recommendations made to DOE.

The WARP is a technical resource for review of Technical Basis Documents and position papers for acceptability and recommendations concerning waste acceptance with regard to compliant waste disposal. Waste profile/document support includes: technical review of profiles submitted by generators; tracking LLW and MLLW profiles through the approval process; researching, reviewing, and resolving issues resulting from the profile review; providing recommendations for the verification of profiles; and drafting letters, memorandums for record, and enclosures for approval and transmittal.

1.4.3.5.03.05 Waste Acceptance Support

The Contractor shall provide general support for all RWAP activities to include review and maintenance of NNSS WAC, guidance documents, and RWAP procedures. This includes maintaining NNSS WAC alignment with the Area 3/Area 5 Documented Safety Analysis, Safety Evaluation Report, the NNSS RCRA Part B Permit, the Solid Waste Permit, and the Area 5 Disposal Authorization Statement. The Contractor shall establish and implement a document control process, provide programmatic technical support/assistance to waste generators, and perform informal, non-documented gap analyses (assistance) for compliance with the NNSS WAC at the generator's request. The Contractor will not provide physical support/assistance to the generators by packing or shipping the generator's waste.

1.4.8 Post-Closure Monitoring, Maintenance, and Permits

The Contractor shall implement a program that maintains post-closure requirements for the approved closure documents identified in the FFACO, Appendix IV: Closed Corrective Action Units and other regulatory permits until long-term monitoring activities are turned over to the designated landlord. Activities on the NTTR/TTR require coordination with the USAF. The Desert Research Institute (DRI) operates and maintains NNSS air-monitoring stations the results of which are available to the Contractor. DRI currently performs cultural resource activities at the NNSS. The Contractor shall develop, submit and maintain a consolidated Long-Term Monitoring Plan. The Contractor shall support turnover of long-term monitoring activities, as appropriate.

1.4.8.1 EM Soil and Industrial-Type Post-Closure Surveillance and Maintenance

The Contractor shall conduct post-closure monitoring consistent with approved closure reports for closed contaminated soil and industrial-type sites as identified in the FFACO, Appendix IV, Closed Corrective Action Sites until long-term monitoring activities are turned over to the designated landlord. This includes non-RCRA sites on the NNSS and TTR/NTTR. The Contractor shall conduct activities to obtain free release of closed contaminated soil sites on the TTR/NTTR using DOE Order 458.1. The Contractor shall complete and submit the post-closure monitoring reports to EM NV annually. The Contractor shall also coordinate maintenance and repairs as required due to follow-up actions identified during surveillances. The NNSA M&O Contractor shall perform maintenance requiring earthwork. The Contractor shall perform minor

repairs not involving earthwork (e.g., repair of damaged fencing and signs; repair of animal burrows, brush removal).

The Contractor shall conduct activities to support turnover of closed contaminated soil and industrial-type sites on the TTR/NTTR.

1.4.8.2 Defense Program Industrial-Type Post-Closure Surveillance and Maintenance

The Contractor shall conduct post-closure monitoring consistent with approved closure reports for closed contaminated industrial-type, non-RCRA sites on the NNSS as identified in the FFACO, Appendix IV, Closed Corrective Action Sites until long-term monitoring activities are turned over to the designated landlord. The Contractor shall complete and submit the post-closure monitoring reports to EM NV annually. The Contractor shall also coordinate maintenance as required due to follow-up actions identified during surveillances. This may include coordinating with the NNSA M&O Contractor for maintenance requiring earthwork such as stabilization of settling or cracking covers; and self-performing minor repairs (e.g. damaged fencing and signs, repair of animal burrows, brush removal).

1.4.8.3 Groundwater Long-Term Monitoring

The Contractor shall acquire and maintain equipment, supplies and expendable items necessary to maintain the monitoring network system at closed groundwater CAUs until long-term monitoring activities are turned over to the designated landlord. This includes the maintenance of equipment and instrumentation to maintain calibration schedules and ensure an appropriate field capability with respect to instrumentation, essential equipment and supplies necessary for typical groundwater field efforts. This scope also includes long-term post-closure groundwater sampling and monitoring activities, inspection and documentation of the institutional controls (e.g., use restrictions, deed restrictions, physical barriers, processes, and procedures), and submittal of corrective action reporting requirement deliverables consistent with approved closure reports to EM NV. The Contractor shall ensure well sites are maintained in a safe and environmentally responsible manner, including but not limited to removal of debris and equipment no longer needed for field activities.

1.4.8.4 RCRA Permits

The Contractor shall conduct annual, bi-annual, and quarterly (or as required by the RCRA permit and the approved closure document) site inspections consistent with approved closure reports of RCRA sites as identified in the FFACO, Appendix IV: Closed Corrective Action Units and RCRA permits until long-term monitoring activities are turned over to the designated landlord. RCRA Permits are associated with CAU 90 Area 2 Bitcutter Containment, CAU 91 Area 3 U-3fi Injection Well, CAU 92 Area 9 Decon Pond Facility, CAU 110 Area 3 WMD U-3ax/bl Crater, CAU 111 Area 5 WMD Retired Mixed Waste Pits, CAU 112 Area 23 Hazardous Waste Trenches, and any other CAUs identified in the future.

1.4.8.6 Work for Others Permits

The Contractor shall perform permit-related interactions; permit maintenance support activities, reclamation planning, and submittal of reports to EM NV until turnover of long-term monitoring activities to the designated landlord. The Contractor shall perform site inspections in accordance

with permit requirements, including monthly storm-water permit inspections; surveillance of borehole sites; preparation and submittal of reports and permit renewal applications; and payment of environmental permit renewal fees, as authorized by EM NV.

SECTION D - PACKAGING AND MARKING

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

SECTION E - INSPECTION AND ACCEPTANCE

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

SECTION F - DELIVERIES OR PERFORMANCE

Section F of the Master IDIQ Contract is incorporated by reference, with the exception of Clause F.1, which is filled in and provided below.

F.1 PERIOD OF PERFORMANCE

(a) The Task Order period of performance by CLIN:

CLIN 00001- End States, shall be for three years from the end of CLIN 00001- Transition.

(b) The Contractor shall not be paid for work performed or costs incurred prior to the Task Order effective date. The Contractor is not authorized to proceed beyond the Task Order period of performance, nor will the Contractor be paid for any costs incurred beyond that period unless the Task Order is modified by the CO to extend the period of performance.

SECTION G - CONTRACT ADMINISTRATION DATA

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

SECTION H - SPECIAL CONTRACT REQUIREMENTS

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

SECTION I - CONTRACT CLAUSES

Section I of the Master IDIQ Contract is incorporated by reference, expect for the following Section I clause, which is filled-in as follows:

Table I-1. Section I Clause Fill-Ins

Clause No.	FAR/DEAR Reference	Title	Fill-In Information; See FAR 52.104(d)
I.45	FAR 52.217-8	Option to Extend Services	Any time prior to the expiration of the contract

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

Section J of the Master IDIQ Contract is incorporated by reference, as applicable to this Task Order, with the exception of the following, which are hereby incorporated in this Task Order.

Section J-3 – Contract Deliverables

The following Contract Deliverables summarize the specific products the Contractor shall submit to the U.S. Department of Energy (DOE), the required distribution, the type of action DOE will perform, the associated DOE response time, and the date/timeframe that the Contractor is required to submit the product over the life of the project. Contract Deliverables specific to each task order will be specified in the task order.

For deliverables not subject to classification review and public release approval, the DOE review period shall be 30 days unless otherwise specified in the Deliverables or other agreement such as the Partnering Agreement.

For deliverables subject to classification review and public release approval, the combined DOE/classification/public release review period shall be 30 days unless otherwise specified in the Deliverables or other agreement such as the Partnering Agreement. The Contractor shall incorporate comments and resubmit for DOE/classification/public release approval 15 days after the combined review period unless otherwise specified in the Deliverables or other agreement such as the Partnering Agreement.

Upon DOE approval or acceptance, with no further action required by the Contractor, the Contractor can make a claim for applicable fee. Omission of applicable deliverables from Section J Attachment entitled, *Contract Deliverables*, does not affect the obligation of the Contractor to submit required deliverables pursuant to this section or other sections of this Contract.

The distribution is defined as:

A. U.S. Department of Energy

EM Consolidated Business Center
Attn: Angela Cooney, Contracting Officer
(angela.cooney@emcbc.doe.gov)

B. EM Nevada Program

Attn: (John Myers), Contracting Officer's Representative
(John.Myers@emcbc.doe.gov)

The DOE action is defined as:

- **Approve** – The Contractor shall provide the deliverable to DOE for review and approval. DOE will provide comments in writing. The Contractor shall provide written responses, as requested by DOE. The Contractor shall incorporate DOE mandatory comments and resubmit for DOE approval. No changes shall be made to the approved deliverable without DOE approval.
- **Review** – The Contractor shall provide the deliverable to DOE for review and comment. DOE will have the option to review the information and provide comment. The Contractor shall respond to written comments.
- **Information** – The Contractor shall provide the deliverable for information purposes only. DOE will have the option of reviewing the information and providing comments. Such comments do not require resolution under the Contract.

In addition to the list of Contract Deliverables specified in Section J, Attachment J-3, Contract Deliverables, the following list of Deliverables are also required for this Task Order.

Task Order 2 – Environmental Operations Deliverables

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0001	Initial Contractor Performance Baseline for first 180 days in EMIS	B	Approve (EM NV approval)	21 days	12/14/2020	Sect. C 1.4.2.1.02, Project Planning and Control
T2-0002	Calendar Year 2020 UGTA Annual Sampling Report Revision 0 (Draft)	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	7/10/2021	Sect. C 1.4.1.2.02.02.1 1.01.06 Characterization Annual Sampling

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0003	Calendar Year 2020 UGTA Annual Sampling Report Revision 1 (Final)	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.1.2.02.02.1 1.01.06 Characterization Annual Sampling
T2-0004	Calendar Year 2021 UGTA Annual Sampling Report Revision 0 (Draft)	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	7/10/2022	Sect. C 1.4.1.2.02.02.1 1.01.06 Characterization Annual Sampling
T2-0005	Calendar Year 2021 UGTA Annual Sampling Report Revision 1 (Final)	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.1.2.02.02.1 1.01.06 Characterization Annual Sampling
T2-0006	Calendar Year 2022 UGTA Annual Sampling Report Revision 0 (Draft)	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	7/10/2023	Sect. C 1.4.1.2.02.02.1 1.01.06 Characterization Annual Sampling

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0007	Calendar Year 2022 UGTA Annual Sampling Report Revision 1 (Final)	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.1.2.02.02.1 1.01.06 Characterization Annual Sampling
T2-0008	Pahute Mesa Phase II Data Completeness Presentation #7	B	Approve (EM NV approval for presentation to NDEP)	15 days	15 days prior to presentation to NDEP; Presentation to be scheduled to take place no later than 9/30/2021	Sect. C 1.4.1.2.02.02.1 3.02 Flow and Transport Model
T2-0009	Pahute Mesa Phase II Data Completeness Presentation #8	B	Approve (EM NV approval for presentation to NDEP)	15 days	15 days prior to presentation to NDEP; Presentation to be scheduled to take place no later than 9/30/2022	Sect. C 1.4.1.2.02.02.1 3.02 Flow and Transport Model
T2-0010	Pahute Mesa Flow and Transport Model Phase II Report Revision 0	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	45 days	12/31/2021	Sect. C 1.4.1.2.02.02.1 3.02, Central and Western Pahute Mesa Flow and Transport Model

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0011	Pahute Mesa Flow and Transport Model Phase II Report Revision 1	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 45 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.1.2.02.02.1 3.02, Central and Western Pahute Mesa Flow and Transport Model
T2-0012	Pahute Mesa External Peer Review Panel Report	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	9/30/2022	Sect. C 1.4.1.2.02.02.1 3.04, Central and Western Pahute Mesa External Peer Review
T2-0013	Pahute Mesa CADD/CAP Revision 0	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	45 days	7/30/2023	Sect. C 1.4.1.2.02.03.0 1 CADD/CAP Preparation
T2-0014	Pahute Mesa CADD/CAP Revision 1	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 45 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.1.2.02.03.0 1 CADD/CAP Preparation
T2-0015	Draft Revised CAU 114 SAFER Plan	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	3/31/2021	Sect. C 1.4.1.3.12.07, EMAD Facility

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0016	Final Revised CAU 114 SAFER Plan	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.1.3.12.07, EMAD Facility
T2-0017	Draft CAU 572 SAFER Plan	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	1/31/2021	Sect. C 1.4.1.3.12.09, Test Cell C Ancillary Buildings and Structures
T2-0018	Final CAU 572 SAFER Plan	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.1.3.12.09, Test Cell C Ancillary Buildings and Structures
T2-0019	Consolidated Long-Term Monitoring Plan	B	Approve (EM NV approval)	30 days	9/30/2021	Sect. C 1.4.8, Post-Closure Monitoring, Maintenance, and Permits

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0020	Calendar Year 2020 Non-RCRA Post-Closure Monitoring Report	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	30 days	4/24/2021	Sect. C 1.4.8.1, EM Soil and Industrial- Type Post- Closure Surveillance and Maintenance Sect. C 1.4.8.2, Defense Program Industrial- Type Post- Closure Surveillance and Maintenance
T2-0021	Calendar Year 2021 Non-RCRA Post-Closure Monitoring Report	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	30 days	4/24/2022	Sect. C 1.4.8.1, EM Soil and Industrial- Type Post- Closure Surveillance and Maintenance Sect. C 1.4.8.2, Defense Program Industrial- Type Post- Closure Surveillance and Maintenance

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0022	Calendar Year 2022 Non-RCRA Post-Closure Monitoring Report	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	30 days	4/24/2023	Sect. C 1.4.8.1, EM Soil and Industrial-Type Post-Closure Surveillance and Maintenance Sect. C 1.4.8.2, Defense Program Industrial-Type Post-Closure Surveillance and Maintenance
T2-0023	Frenchman Flat Calendar Year 2020 Annual Closure Monitoring Report, Revision 0	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	5/11/2021	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring
T2-0024	Frenchman Flat Calendar Year 2020 Annual Closure Monitoring Report, Revision 1	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0025	Yucca Flat Closure Monitoring Report, Revision 1	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring
T2-0026	Rainier Mesa Calendar Year 2020 Post-Closure Monitoring Report, Revision 0	B	Approve (EM NV approval; EM NV submittal to NDEP for review after comment resolution)	30 days	4/30/2021	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring
T2-0027	Rainier Mesa Calendar Year 2020 Post-Closure Monitoring Report, Revision 1	B	Approve (EM NV approval; EM NV submittal to NDEP for final approval after comment resolution)	15 days	Within 30 days after receipt of comments from NDEP, inclusive of DOE response and comment resolution	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring
T2-0028	Calendar Year 2020 Letter Report for all closed groundwater CAUs	B	Approve (EM NV approval; EM NV submittal to NDEP)	15 days	2/24/2021	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring
T2-0029	Calendar Year 2021 Letter Report for all closed groundwater CAUs	B	Approve (EM NV approval; EM NV submittal to NDEP)	15 days	2/24/2022	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0030	Calendar Year 2022 Letter Report for all closed groundwater CAUs	B	Approve (EM NV approval; EM NV submittal to NDEP)	15 days	2/24/2023	Sect. C 1.4.8.3, Groundwater Long-Term Monitoring
T2-0031	Post-Closure Report for Closed Resource Conservation and Recovery Act Corrective Action Units, Nevada National Security Site, Nevada for Calendar Year 2020	B	Approve (EM NV approval; EM NV submittal to NDEP)	15 days	5/15/2021	Sect. C 1.4.8.4, RCRA Permits
T2-0032	Post-Closure Report for Closed Resource Conservation and Recovery Act Corrective Action Units, Nevada National Security Site, Nevada for Calendar Year 2021	B	Approve (EM NV approval; EM NV submittal to NDEP)	15 days	5/15/2022	Sect. C 1.4.8.4, RCRA Permits

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0033	Post-Closure Report for Closed Resource Conservation and Recovery Act Corrective Action Units, Nevada National Security Site, Nevada for Calendar Year 2022	B	Approve (EM NV approval; EM NV submittal to NDEP)	15 days	5/15/2023	Sect. C 1.4.8.4, RCRA Permits
T2-0034	Fiscal Year 2021 Waste Acceptance Facility Evaluation / Verification Schedule	B	Approve (EM NV approval)	15 days	12/30/2020	Sect. C 1.4.3.5.03.03, Waste Acceptance Facility Evaluations / Verifications
T2-0035	Fiscal Year 2022 Waste Acceptance Facility Evaluation / Verification Schedule	B	Approve (EM NV approval)	15 days	9/15/2021	Sect. C 1.4.3.5.03.03, Waste Acceptance Facility Evaluations / Verifications
T2-0036	Fiscal Year 2023 Waste Acceptance Facility Evaluation / Verification Schedule	B	Approve (EM NV approval)	15 days	9/15/2022	Sect. C 1.4.3.5.03.03, Waste Acceptance Facility Evaluations / Verifications
T2-0037	Fiscal Year 2024 Waste Acceptance Facility Evaluation / Verification Schedule	B	Approve (EM NV approval)	15 days	9/15/2023	Sect. C 1.4.3.5.03.03, Waste Acceptance Facility Evaluations / Verifications
T2-0038	Fiscal Year 2021 RWAP Performance Report	B	Information	N/A	9/30/2021	Sect. C 1.4.3.5.03, RWAP

Deliverable Number	Deliverable	Distribution	DOE		Deliverable Due Date	Task Order Section
			Action (Approval Authority)	Response Time		
T2-0039	Fiscal Year 2022 RWAP Performance Report	B	Information	N/A	9/30/2022	Sect. C 1.4.3.5.03, RWAP
T2-0040	Fiscal Year 2023 RWAP Performance Report	B	Information	N/A	9/30/2023	Sect. C 1.4.3.5.03, RWAP
T2-0041	Annual Actuarial Evaluations	A	Review	N/A	Annually	H, Special Provisions Applicable To Workforce Transition and Employee Compensation
T2-0042	Obtain Bonding	A, B	Information	N/A	60 Days before drilling activities commence	Clause I FAR 52.228-15, Performance and Payment Bonds - Construction
T2-0043	Semi-annual and annual performance self assessments	A, B	Information	N/A	Semi-annually by March 31 st and October 10 th	Attachment J-7, Performance Evaluation and Measurement Plan