

PART I -- SCHEDULE
SECTION C
PERFORMANCE WORK STATEMENT
Moab Technical Assistance Contract
TABLE OF CONTENTS

C.1	BACKGROUND AND GENERAL REQUIREMENTS	2
C.2	CONTRACTOR PERFORMANCE	2
C.3	WORK SCOPE.....	3
C.3.1	TRANSITION.....	3
C.3.2	PROJECT MANAGEMENT	4
C.3.3	RECORDS MANAGEMENT	4
C.3.4	TRAINING	6
C.3.5	INFORMATION TECHNOLOGY AND TELECOMMUNICATION	6
C.3.6	SAFEGUARDS AND SECURITY	8
C.3.7	PUBLIC AFFAIRS/COMMUNITY RELATIONS.....	8
C.3.8	PROPERTY MANAGEMENT (REAL AND PERSONAL)	9
C.3.10	PROJECT INTEGRATION.....	13
C.3.11	GROUND WATER INTERIM ACTION.....	15
C.3.12	QUALITY ASSURANCE	16
C.3.13	ENVIRONMENT, SAFETY, AND HEALTH SUPPORT	17
C.3.14	REGULATORY COMPLIANCE.....	18
C.3.15	INDEPENDENT VERIFICATION	19
C.3.16	REVEGETATION	20
C.3.17	VICINITY PROPERTY SURVEYS	20
C.3.18	AUGMENTED TECHNICAL ASSISTANCE.....	21
C.3.19	OUTGOING TRANSITION.....	21

C.1 BACKGROUND AND GENERAL REQUIREMENTS

- a. This is a Technical Assistance Contract (Contract) for a Technical Assistance Contractor (TAC or Contractor) to provide technical and administrative services in support of the Moab Uranium Mill Tailings Remediation Action (UMTRA) Project.
- b. The contract reflects the application of approaches and techniques that emphasize results/outcomes and minimize “how to” performance descriptions. The TAC has the responsibility for total performance under the contract, including determining specific methods for accomplishing the work.
- c. The project has been active for greater than 10 years and is considered a mature project. This contract is the third iteration of the Technical Assistance Contract. Emphasis during the performance of work under this contract shall be the development of efficiencies and refinement of existing procedures focused on streamlining as opposed to the construction of new processes and management procedures.
- d. The goal of the Moab UMTRA Project (Moab Project) is to remediate the Moab site to the appropriate surface clean-up standards in 40 Code of Federal Regulations (CFR) Part 192; Subparts A, B, and C, and dispose of Residual Radioactive Material (RRM) in a Nuclear Regulatory Commission (NRC) regulated disposal cell near Crescent Junction, Utah. The Department of Energy’s (DOE) contracting approach for the Moab Project includes a Remedial Action Contractor (RAC) and a TAC, which is the Contractor under this contract. The TAC shall ensure integration of the activities it is required to perform with the activities of the RAC in a manner that accomplishes the work safely and efficiently. The TAC shall cooperate with the RAC; however, only the Contracting Officer or COR has the authority to direct the TAC in its performance under the contract. The Interface Requirements Matrix (See Attachment J-9 - Interface Requirements Matrix) provides additional detail on the expected complimentary roles and responsibilities between the RAC and the TAC. The RAC and the TAC do not have the authority to direct the other under this contract, except to the limited extent specified otherwise in the contract regarding safety.

C.2 CONTRACTOR PERFORMANCE

- a. The TAC shall furnish all personnel, facilities, office furniture, equipment, material, services, and supplies for TAC and DOE personnel (except as set forth in this contract to be furnished by DOE or others), and otherwise do all things necessary to accomplish work in a safe, integrated, effective, and efficient manner in accordance with the terms and conditions of the contract and resulting task orders. In performing

- the work, the TAC shall comply with all applicable DOE Orders and local, state, and federal regulations.
- b. The TAC shall be responsible for planning, integrating, managing, and executing the programs, projects, operations, and other activities as described in this Performance Work Statement (PWS).
 - c. TAC personnel shall be expected to perform the activities described in this PWS with minimum oversight and guidance by DOE, while in compliance with all applicable procedures. The TAC shall ensure that duties are performed in a competent, professional manner that meet established milestones and adhere to established schedules. Work products are expected to be thorough, timely, accurate, appropriately documented, and comply with established criteria. Some work products will include highly sensitive information and recommendations. The TAC shall maintain the confidentiality of information as dictated by the requesting party and overall DOE standards of ethics and professional behavior.
 - d. The TAC shall appoint a Program Manager stationed in Grand Junction, Colorado as the primary interface to the DOE Federal Project Director, Contracting Officer (CO) and Contracting Officer's Representative (COR). The TAC's working Program Manager shall have supervisory control over the TAC's employees assigned to perform work under this PWS. In addition, the working Program Manager shall be responsible for the adequacy and effectiveness of the conduct of work activities as performed by the TAC contract personnel and subcontractors, if any.

C.3 WORK SCOPE

C.3.1 TRANSITION

- a. The TAC shall submit a Transition Plan for DOE approval five (5) business days after issuance of the task order that includes transition activities. The Transition Plan shall include a schedule and description of the activities necessary to transition the work from the incumbent Contractor in a manner that (1) assures that all work which the TAC shall be responsible for under the contract is continued without disruption; (2) provides for an orderly transfer of resources, responsibilities, and accountability from the incumbent Contractor; and (3) provides for the ability of the TAC to perform the work in an efficient, effective, and safe manner.
- b. The Transition Plan shall address how all Government property, including Government furnished and contractor-acquired property (i.e. materials), and associated records, currently assigned to the incumbent Contractor, will be transferred to the TAC during the transition period.

- c. The Transition Plan shall address coordination with other site contractors is required to ensure for continuation of services by the TAC. The Transition Plan must ensure there is no loss or degradation of the services that are provided to DOE and its contractors. The TAC is responsible for performing due diligence to ensure that all activities, deliverables, and actions to be completed by the end of the transition identified in the PWS are included in the Transition Plan.
- d. The transition period shall be 30 days in length.

C.3.2 PROJECT MANAGEMENT

- a. This task includes overall management of the tasks, resources, and activities described in this Contract. The TAC Program Manager shall be responsible for the Contractor's overall effective performance of all program areas described in this contract, associated task orders, and its subcontracts supporting the Moab Project. The Contractor shall provide experienced personnel to support Moab programs as described in the PWS. The Program Manager shall be responsible for coordinating Contractor time approvals, addressing personnel issues, and ensuring Contractor staff are appropriately qualified and meet labor qualifications. The Program Manager shall develop work and staffing plans for all assigned tasks and provide monthly status reports on all activities to the COR. Additional strategic planning functions may be required.
- b. The TAC shall ensure attendance at formally scheduled and situational meetings by the appropriate staff.
- c. The TAC is responsible for the tracking of hours used, and submission of accurate invoices, and providing supporting documentation for acquisition of materials and supplies. The TAC shall provide any documentation as requested by DOE to support the conduct of its activities or the expenditure of government funds in the performance of work under this contract and any subsequent task orders or subcontracts.

C.3.3 RECORDS MANAGEMENT

- a. The TAC is responsible for management of all records related to the Moab UMTRA Project, including its own records, records generated by the RAC, and DOE records through all phases of each record's life cycle. The TAC shall develop a Records Management Plan and manage all of the Moab records in accordance with it. The TAC shall conduct records/ information content accountability in accordance with Title 44 USC, Chapters 21, 29, 31, 33, and 35; 36 CFR, Chapter 12, Subchapter B (Records Management); DOE O 243.1 (Records Management Program) and DOE O 243.2 (Vital Records), and any other DOE requirements as directed by the CO. These

- functions include, but are not limited to: tasks associated with creation/receipt, maintenance, storage/preservation, protecting, scheduling, indexing and dispositioning active and inactive records; retrieving records from on- and off-site storage facilities, and supporting ongoing Freedom of Information Act (FOIA), Privacy Act, Energy Employee Occupational Illness Compensation Program Act (EEOICPA), Former Worker Medical Screening Program (FWP), Chronic Beryllium Disease Prevention Program (CBDPP), congressional inquiries and legal discovery requests.
- b. The TAC shall ensure records classified as Quality Assurance (QA) records under ANSI/ASME NQA-1 2008 (Requirement 17), if applicable, are categorized appropriately and managed in accordance with 36 CFR Chapter 12, Subchapter B and are traceable to the applicable item, activity or facility.
 - c. The TAC shall ensure the implementation of a Records Management Plan (RMP) including records management controls to ensure that the identification, maintenance, and disposition of electronic records (including email) are managed in accordance with Federal and DOE requirements and guidelines as listed above and specifically developed under this PWS. Additionally, the TAC shall ensure electronic information systems and recordkeeping systems are controlled in accordance with 36 CFR 1236. The TAC shall be responsible to maintain the Project web-site for publicly released documents <http://gjem.energy.gov/moab/> and a password protected Sharepoint site for internal electronic filing and recordkeeping. The TAC shall accept and manage all official records received from the RAC in accordance with the RMP.
 - d. The TAC shall ensure that records generated in performance of this PWS which contain personal information such as name or other personal identifier are classified and maintained in Privacy Act Systems of Records (SOR) in accordance with Federal Acquisition Regulation clause 52.224-2, Privacy Act (APR 1984) and DOE O 206.1, Privacy Program.
 - e. All records (see 44 USC 3301 for statutory definition of a record) acquired or generated by the TAC in performance of this PWS, except for those defined as contractor-owned (Section I clause entitled, DEAR 970.5204-3 Access to and Ownership of Records”), including, but not limited to, records from a predecessor contractor (if applicable) and records described by the PWS as being maintained in Privacy Act System of Records (SOR), shall be the property of the Government.
 - f. The TAC shall preserve and disposition records/information content in accordance with National Archives and Records Administration (NARA)-approved records disposition schedules (DOE Record Disposition Schedules), as posted on the DOE Office of the Chief Information Officer (OCIO) Records Management web page. Note: Records Retention standards are applicable for the classes of records described

therein, whether or not the records are owned by the Government, the RAC, or the TAC (DEAR 970.5204-3).

C.3.4 TRAINING

- a. The TAC shall provide all required project training to all site personnel including RAC, TAC, DOE, subcontractors, and visitors. This training does not include DOE-supplied training provided to DOE, TAC, and RAC employees, as appropriate. Attachment J-10- Training Summary includes a list of project training the TAC shall be required provide. This list will be modified as training needs change.
- b. The TAC shall maintain accurate training records and data pertaining to training activities, maintain current training records for all RAC, TAC, DOE, and subcontractor personnel, and provide reports, as required, to support specific site-access qualifications, employee qualification cards, and other appropriate report requests.
- c. The TAC shall maintain an electronic training system database, accessible by all RAC, TAC, and DOE personnel to provide information on training requirements and availability, course information, and electronic registration. The TAC shall coordinate changes and upgrades to the system with DOE.
- d. The TAC shall develop and/or provide specialized training as requested by DOE.

C.3.5 INFORMATION TECHNOLOGY AND TELECOMMUNICATION

- a. The TAC shall provide technical and administrative management and support of Information Technology and Telecommunication (IT&T) information, hardware, systems, services, and security for the Moab UMTRA Project for all Project sites, facilities, and office locations, including the Grand Junction Office, and for all RAC, TAC, and DOE personnel, except as described in paragraphs below. The TAC shall perform IT&T life-cycle planning, configuration management, acquisition when necessary, installation, and maintenance of IT&T systems and equipment to ensure its adequacy to support the ongoing Moab mission. This includes providing operation, maintenance and support of servers, a network, workstations, laptops, internet access, Help Desk support, IT&T, training support, software development, application maintenance, printers, miscellaneous hardware, and portal/Intranet software and support. The RAC will request IT&T hardware, software, and IT&T support through the TAC via the Help Desk.
- b. The TAC shall perform software development when necessary, database management, and maintenance for in-house developed software to include the following applications: DOE Records Management System (DOERMS), Access

Control, Radiological Employee Dosimetry Database System (REDDS), Training Information System (TISK), Universal Address List, and SEEPro.

- c. The TAC shall comply with all Federal and DOE IT&T-related orders and directives, as well as DOE EM policies and procedures. Specifically, the TAC shall comply with cyber security control requirements detailed in the DOE EM Cyber Security Policy and Risk Management Approach Implementation Plan (RMAIP), in order to maintain the TAC network's accreditation and Authority to Operate (ATO) that is granted by the DOE Environmental Management Consolidated Business Center (EMCBC) Authorizing Official (AO).
- d. The TAC shall maintain all appropriate software licenses and annual maintenance contracts.
- e. The TAC shall provide telecommunications infrastructure and services, maintenance, including replacement and installation when necessary, for the Moab UMTRA Project for all Project sites, facilities, and office locations, including the Grand Junction Office, and for all RAC, TAC, and DOE Project personnel. This includes, but is not limited to, computer-based exchange, telecommunications switching equipment, telephone cable infrastructure, relocation of telephones, facsimile services, radio communications systems equipment, teleconferencing and videoconferencing services for each site.
- f. The TAC is responsible for providing and maintaining cell phones, hand-held radios, and vehicle-mounted radios for TAC and RAC personnel.
- g. The TAC shall provide IT&T hardware, software, systems, and support to the DOE staff for the project network. This includes the provision for adequate numbers of desktop computers for access to the project infrastructure, printers, facsimile equipment, video/tele-conferencing equipment, desk telephones, and radios, including maintenance, support and replacement when necessary. The TAC shall also provide internet and project network access to DOE staff, and systems configuration to ensure ongoing operations are maintained. The EMCBC shall provide desktop and laptop computers, software licenses, firewall, network switch, and systems configuration and maintenance for DOE staff. EMCBC will provide cell phones for DOE staff as required. The TAC shall support the DOE network and equipment when directed by EMCBC IT&T support staff.

C.3.6 SAFEGUARDS AND SECURITY

- a. The TAC shall develop and implement a Safeguards and Security program as specified in DOE Order 470.4B, Safeguards and Security Program, DOE Manual 470.4-1, Chg. 2, Safeguards and Security Program Planning and Management and DOE Order 205.1B, Department of Energy Cyber Security Management, and shall update such program as may be required. The program shall be tailored to the site-specific requirements of the Moab UMTRA Project and will encompass all Project sites and office locations. The TAC is responsible to provide limited site-specific only (LSSO) security badges for DOE employees, RAC and TAC personnel, subcontractors and visitors. The TAC shall be responsible for coordinating with the RAC to ensure compliance with all requirements. The RAC is responsible for implementation of safeguards and security in accordance with DOE O 470.4B Chg 1, DOE O 473.3A, as well as in compliance with the Safeguards and Security program that is developed and maintained by the TAC as part of the TAC contract (currently, and as part of this contract).
- b. The TAC shall verify the adequacy of the existing Site Security Plan (SSP) and shall be responsible for maintaining the SSP and performing any upgrades to ensure it contains all of the security requirements specified in this contract for TAC, RAC, DOE, and other visiting personnel.
- c. The TAC shall work closely with the RAC to ensure that site badging and site access requirements are accurately specified in the SSP. The RAC is responsible for implementing site access control. The TAC shall ensure its personnel comply with all requirements (as specified in the Site Security Plan) for badging and site access control. The TAC shall have such access as necessary to perform activities required under this PWS.
- d. The TAC shall be responsible for providing site security badges consistent with the DOE O 473.3A, Protection Program Operations, at the Grand Junction Office. All TAC employees shall be qualified to receive, and shall obtain, HSPD-12 security badges.
- e. The RAC is responsible for safeguarding the Residual Radioactive Material (RRM), including during shipment activities. The TAC shall be responsible for assisting DOE in the oversight of such activities.

C.3.7 PUBLIC AFFAIRS/COMMUNITY RELATIONS

- a. The TAC shall provide experienced and qualified personnel to be responsible for the overall public affairs function for the Project during routine and emergency events,

- including supporting DOE in interfacing with the community and other stakeholders, and the TAC shall coordinate with the RAC as necessary. Information on the RAC operations will be provided by the RAC for use in the occasional stakeholder/ public meetings, held primarily in Moab, Utah.
- b. The TAC shall be responsible for updating the Public Participation Plan as necessary, including, at a minimum, providing an annual review of the document, writing articles for inclusion in newsletters or postings on the Project website, coordinating capture of raw video footage of Moab UMTRA Project activities, preparing fact sheets and press releases, maintaining and updating the Project website, and keeping the Moab UMTRA Project reading room current with project documents.
 - c. The TAC shall support DOE in preparing for public/stakeholder meetings, including renting meeting rooms and placing announcements in local papers for each meeting. The TAC shall coordinate owner relations activities (primarily vicinity property matters), as they relate to private properties in the vicinity of the Moab UMTRA Project site.

C.3.8 PROPERTY MANAGEMENT (REAL AND PERSONAL)

a. General

- (1) The TAC shall ensure assigned real and personal property is maintained in good working order and remains serviceable for its intended purpose.
- (2) The TAC shall provide experienced and qualified personnel for the management of real property, limited grounds maintenance, and personal property to include sensitive property and high value property, DOE-owned and GSA-leased vehicles for the Moab Project.
- (3) The TAC shall provide experienced and qualified personnel to maintain and ensure compliant implementation of a DOE-approved Real and Personal Property Management Program for all Moab UMTRA Project real and personal property.
- (4) The TAC shall provide support to DOE for the accountability, control, utilization, management, maintenance, and disposition of all real and personal property associated with the Moab UMTRA Project.
- (5) The TAC shall be responsible for completing all HQ Fiscal Year property (real and personal) reporting requirements. TAC shall develop and implement an annual planning process that annually produces a Five-Year Real Property Plan.

b. Real Property

- (1) The TAC shall ensure all real property tasks are accomplished in accordance with applicable DOE orders to include, but not limited to, DOE O 430.1C, *REAL PROPERTY ASSET MANAGEMENT*; DOE O 458.1, *RADIATION PROTECTION OF THE PUBLIC AND THE ENVIRONMENT*.
- (2) The TAC shall ensure all actions involving the planning, acquisition, management, and disposition of interests in real estate are reviewed and approved by the DOE assigned Real Property Officer (RPO) or Certified Realty Specialist (CRS), as appropriate, prior to execution and real estate actions and are executed at the appropriate level of delegated authority by a DOE Real Estate Contracting Officer (RECO).
- (3) The TAC shall implement a documented maintenance program for assigned assets that is complimentary to the larger program utilized by the RAC. The TAC shall coordinate with the RAC to ensure compliance with applicable DOE directives and orders. Assigned assets shall include the equipment used in the field (including tractors, ATVs/UTVs, excavators, mowers, weed trimmers, pumps, etc.) as well as all other assets assigned under this contract.
- (4) The TAC, in coordination with the RAC, shall establish technical and management processes to align the performance, functional, and physical attributes of real property facilities, structures, systems, and components in the maintenance program with associated requirements, design, and operational information, including processes established for all hazard category 1, 2, and 3 nuclear facilities must comply with applicable DOE standards; and for other facilities, voluntary consensus standards, including ANSI/EIA – 649, *National Consensus Standard for Configuration Management* or DOE standards must be applied as determined by the DOE Site.
- (5) The TAC shall administer the Facility Information Management System (FIMS) for the Moab UMTRA site and coordinate with the RAC, as required, to ensure:
 - All real property in which DOE holds a legal interest in or right to use, including outright title, must be documented in FIMS, the Department's system of record for DOE real property;
 - FIMS data fields must be kept current throughout the real property asset lifecycle and align with the FIMS Data Dictionary;
 - FIMS data must be consistent across DOE to enable comparable reporting and trend analyses;
 - FIMS data must be used to meet FRPP requirements and the Department's DM and other real property reporting requirements including, but not limited to, the Agency's yearly financial statement;
 - Real Property records supporting data maintained in FIMS must be maintained in accordance with FIMS User's Guide requirements and retained per applicable DOE directives and federal regulations;

- Record annually the results of condition assessments, functional assessments, and real property utilization assessments in FIMS.
 - Records management changes resulting in revisions to the FIMS User's Guide must be coordinated through appropriate governance;
 - FIMS information regarding real property assets that have been disposed of, including all related institutional controls, must be archived;
 - A completion report or equivalent document must be developed for each disposition project and included in FIMS; the completion report/document must describe, at a minimum, project activities, final facility status, cost information, and verification and validation that specific end-point criteria have been met;
 - Complete all FIMS data calls,
 - Support and successfully complete an annual review of real property records (FIMS Validation), in accordance with DOE annual guidance, to ensure that all assets are accurately reported in the FIMS database and that all required source documentation is complete and accurate.
 - The TAC shall develop and implement corrective actions to ensure completeness and accuracy of FIMS data and maintain FIMS data validation documentation (validation forms, scorecards, corrective action plans) for at least five fiscal years.
- (6) The TAC shall conduct condition assessment surveys, to determine the need for some preventive or remedial action, using industry standard graded approaches tailored to the inspection type and frequency that aligns with asset ownership, use, and mission dependency as follows:
- Perform physical condition assessments on each real property asset at least once every five-year period or other risk-based interval as approved by the cognizant PSO;
 - Perform more frequent assessments for real property assets identified as mission unique or critical, or assets that pose an increased risk to life safety or the environment, or as mandated by federal, state or local codes;
 - Determine the current physical condition of each real property asset, its estimated time to failure, and the optimum period for repairs and replacement based on engineering and maintenance analyses;
 - Estimate the costs to correct deficiencies identified during the condition assessments using the DOE-funded Condition Assessment Information System (CAIS) or another nationally recognized cost estimating system that is formatted in UNIFORMAT II and based on annually updated unit cost data (e.g. RS Means; Building News; Craftsman Book Company; Richardson General Construction Estimating Standards). Cost estimates must be updated annually and include contractor indirect costs; and
 - Categorize deficiencies as either DM or RN. Document and report DM and RN cost estimates consistent with Federal Accounting Standards Advisory Board requirements and Federal Real Property Council reporting guidance, respectively.

- Determine an asset's capability to meet mission requirements at least once during any five-year period or other risk-based interval as approved by the cognizant PSO based on industry leading practices, voluntary consensus standards, and customary commercial practices.
- (7) The TAC shall provide condition assessment findings to the RAC and ensure all required maintenance is submitted as repair needs.
- (8) The TAC shall develop and submit, as required by DOE annual guidance, a five-year forecast (by fiscal year) and update annually to identify financial investments for sustainment of real property assets to support DOE strategic plans, program guidance, and Departmental performance targets and include:
- consideration for desired level of service;
 - remaining service life;
 - current condition assessments;
 - Energy Independence and Security Act energy and water evaluations;
 - utilizations surveys;
 - the mission dependency of the asset, and projected funding for DM reduction;
 - five-year projection of financial investments required for real property acquisition, sustainment, and disposition activities;
 - annual PSO budget request that includes prioritized financial investments in real property; and
 - an Integrated Facilities and Infrastructure (IFI) Crosscut Budget in accordance with guidance issued jointly by the Office of Management and Office of the Chief Financial Officer.

c. Personal Property

- (1) Regardless of the performer of the work, the TAC is responsible for complying with DOE O 580.1, *DEPARTMENT OF ENERGY PERSONAL PROPERTY MANAGEMENT PROGRAM*, as applicable.
- (2) The TAC shall ensure the implementation of a Property Management Program that includes but is not limited to, an experienced personal property custodian, maintenance of various property plans and schedules, ensuring inventory tracking databases are current and up to date
- (3) All sensitive equipment shall be tracked and non-sensitive equipment above \$5,000 shall be tracked using the Personal Property Management System (PPMS) database for all accountable personal property in accordance with DOE Order 580.1.
- (4) Personal property work shall include an annual custodian confirmation process and physical inventory to assure that personal property is being

accounted for in accordance with applicable Federal property management regulations.

d. Fleet

- (1) Vehicles to include fleet management for DOE-owned and GSA-leased vehicles, in accordance with all DOE and/or GSA requirements including 41 CFR 102 and DOE Order 430.1C.
- (2) The TAC shall be responsible for tracking, arranging schedules, routine maintenance and upkeep of the General Services Administration (GSA)-Leased vehicles, as well as administrative activities for the Government owned vehicles such as tracking odometer readings, signing in and out, and other similar activities. The TAC shall report project data into the Federal Automotive Statistical Tool (FAST).

e. Sustainability

- (1) The TAC shall be responsible for ensuring the implementation of sound stewardship practices that are protective of the air, water, land, and other natural and cultural resources impacted by the DOE operations in accordance with DOE Order 436.1, Departmental Sustainability.
- (2) The TAC shall develop, implement the Moab UMTRA Site Sustainability Plan (SSP) in accordance with DOE O 436.1, including an annual forecast of the five-year (by fiscal year) sustainment investments for real property assets.
- (3) The TAC shall coordinate pollution prevention, energy management, and environmentally preferred purchasing activities, and report project data as required per DOE annual guidance.

C.3.9 DOCUMENTATION SUPPORT, GRAPHICS, REPRODUCTION

- a. The TAC shall provide experienced personnel for comprehensive document production support, graphics development, reproduction and printing services, website creation, technical writing, and editing as required for daily Moab operations at all three locations. Such support shall be provided for DOE and the RAC. These services include, but are not limited to, the production and distribution of technical papers, pamphlets, brochures, reports, presentation materials, and other written and graphic documents needed to support the Project.

C.3.10 PROJECT INTEGRATION

- a. The TAC shall coordinate with the RAC, as necessary, to ensure safe and successful project execution. The Interface Requirements Matrix (See Attachment J-9) provides

- detail on the required complimentary roles and responsibilities between the RAC and the TAC. The TAC shall prepare an Integrated Execution Plan that will provide a summary of some of the activities that will require interaction and integration with the RAC. The TAC shall be required to maintain and update the Integrated Execution Plan as a component of project start-up and at least annually thereafter. Note that the RAC and the TAC do not have the authority to direct the other under this contract, except to the limited extent specified otherwise in the contract regarding safety.
- b. The TAC shall provide experienced and qualified personnel to process, integrate, track, analyze, and report data for the entire Moab UMTRA Project concerning the following areas: project management, project control, life cycle planning, performance measurement, budget formulation and execution, and financial management. The TAC shall coordinate with the RAC, as necessary, in order to consolidate data for all project activities in accordance with DOE requirements and evaluate and reconcile the data to ensure quality and accuracy of deliverables. TAC shall provide a monthly task order progress report for each task order that at a minimum includes: task order number, total task order cost/price, significant issues/problems associated with each task order, summary of activities performed during the month, and the current status of each activity, status of the schedule for each task order and for T&M task orders, an itemized breakdown of cost and Direct Productive Labor Hours (DPLH) utilized per labor category to date shall also be provided.
 - c. The Moab UMTRA Project has been designated as an Operating Activity (defined by the DOE as projects performing environmental remediation, etc.). The TAC shall support DOE in meeting and reporting on all requirements for Operating Activities.
 - d. The TAC shall develop a Performance Baseline in accordance with DOE Order 413.3B for the activities required by this PWS, support DOE in integrating Performance Baseline information from both RAC and TAC contracts, evaluate and recommend improvements, and review, revise, and finalize the Moab UMTRA Project Performance Baseline.
 - e. The TAC shall be responsible for Moab UMTRA Project Change Control Administration in accordance with the requirements of DOE Order 413.3B for changes to project baselines.
 - f. The TAC shall establish, maintain, and use a Project Control Management System that accurately reflects the status of TAC activities relative to cost and schedule performance, and tracks progress against the approved baseline within the constraints of Total Project Earned Value Management. The Project Control Management System shall be fully integrated with the financial accounting systems to ensure

consistent reporting of costs. The TAC's system shall meet the following requirements:

- (1) DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets, November 29, 2010 (only as it applies to Operating Activities);
 - (2) Integrated Planning, Accountability, and Budgeting System Information Systems (IPABS-IS) Data Requirements, February 16, 1999, and subsequent updates;
 - (3) Integrated Planning, Accountability, and Budgeting System (IPABS) Handbook, February 16, 1999, and subsequent updates;
 - (4) Office of Environmental Management's Operations Activities Protocol, March 15, 2012 in the context of DOE Order 413.3B.
- g. The TAC shall coordinate with the RAC, as necessary, and assist DOE in maintaining and inputting Moab UMTRA Project data into various DOE business systems including, but not limited to, the Integrated Planning, Accountability, and Budgeting System (IPABS) in accordance with prescribed procedures and DOE direction. The RAC will provide information to the TAC for input into these systems.
- h. The TAC will track and monitor the data on tons of RRM excavated, shipped, and disposed, using the weekly data provided by the RAC.

C.3.11 GROUND WATER INTERIM ACTION

- a. The TAC shall provide experienced and qualified personnel responsible for the design, implementation, operation, and maintenance of interim ground water corrective actions. Actions are summarized in the annual Moab UMTRA Project Ground Water Program Plan of Action and Milestones. The TAC shall revise and update this document annually. The TAC shall provide continuous and seamless execution of all ground water-related activities at the Moab Site, including protecting the Colorado River and ensuring compliance with the U.S. Fish and Wildlife Service Biological Opinion contained in the final Moab UMTRA Project Environmental Impact Statement.
- b. The TAC shall operate and maintain the existing ground water interim action well field which currently includes eight extraction wells and 34 injection wells. Maintenance activities associated with the Interim Action well field include the repair and servicing of wells and associated pumping and piping equipment. The Moab UMTRA Operations and Maintenance Manual shall be kept current and optimized to align funding with operational performance.

- c. The TAC shall monitor and report on the interaction between ground water and surface water. If indicated by the data collected, the existing conceptual model shall be updated.
- d. The TAC shall continue to address several reasonable and prudent measures identified by the U.S. Fish and Wildlife Service in its Biological Opinion for surface water and ground water remediation at the Moab Site. The TAC shall summarize biota monitoring and associated actions, as well as performance against data quality objectives, in an annual report.
- e. The TAC shall update and maintain the sampling program documents. The sampling program shall be optimized each year to maximize the data obtained and its usefulness. The TAC shall perform surface and ground water sampling and analysis at the Moab site in accordance with the approved plans.
- f. Routine gauging, sampling, and rehabilitation of monitoring wells and standpipes shall be performed and documented in a report.
- g. Maintain pumping and holding systems including Klein and Frac tanks.
- h. Initiate the fresh water diversion system (formally called the initial action) on an as-needed basis to create and sustain a protected environment in select back water channels adjacent to the former mill site.

C.3.12 QUALITY ASSURANCE

- a. The TAC shall provide an overall Quality Assurance Program for the Moab UMTRA Project in accordance with EM-QA-001, Rev. 1, *Environmental Management Quality Assurance Program*, and (ASME) NQA-1, 2008 *Quality Assurance Requirements for Nuclear Facility Applications*, including addenda through 2009 as applicable, DOE Order 414.1D or the latest revision, Quality Assurance and DOE Order 226.1B, Implementation of Department of Energy Oversight Policy. The TAC shall ensure the Quality Assurance Program is updated and maintained as compliant with the Quality requirements and as site conditions change.
- b. The RAC and TAC shall each develop their own quality assurance program for their respective operations. The TAC shall review the RAC quality assurance program for applicable compliance and incorporate both the RAC and TAC quality assurance programs into the overall project Quality Assurance Program.
- c. The TAC shall be responsible for continuously pursuing enhancements to quality, safety, and reliability for its own operations and making suggestions for quality enhancements for RAC and DOE operations.

- d. The TAC shall develop an Integrated Assessment Schedule that outlines, by quarter, the assessments of DOE, TAC, and RAC operations planned to be performed. Assessed activities shall include safety, operations, compliance, documentation, and other aspects of the project at all three project locations. The schedule shall be prepared annually and updated quarterly. This schedule shall be fluid and subject to change based on site occurrences. The Integrated Assessment Schedule shall include an allowance for unannounced assessments.
- e. The TAC shall support DOE by providing qualified and experienced assessors to perform scheduled and unannounced Quality Assurance Independent Assessments and Surveillances of Moab UMTRA Project activities. The TAC's QA assessors shall be expected to manage preparation of assessment plans, checklists, and reports; interface with regulators, the DOE, and RAC personnel; and manage assessment teams with a number of observers. For each assessment or surveillance, the TAC shall document the results and findings in a database tracking system and prepare a written report.
- f. The TAC shall maintain the DOE Corporate Lessons Learned Database to record nonconformance and corrective actions activities from all oversight activities including those generated by DOE and visiting assessors or Regulators. When a significant ISMS lessons learned event, for external distribution, occurs concerning RAC activities, the RAC will provide the information for incorporation into the DOE Corporate Lessons Learned Database. The TAC shall prepare and distribute "lessons learned" on all activities reports to encourage improvements based on experience.

C.3.13 ENVIRONMENT, SAFETY, AND HEALTH SUPPORT

- a. The TAC shall provide overall programmatic Environment, Safety, and Health (ES&H) support to DOE for all Moab UMTRA Project sites and office locations, including the Grand Junction Office. Programmatic support may include HQ data calls and other program level activities beyond the daily safety oversight related to site operations. The support provided shall be in compliance with 10 CFR 851, and applicable DOE Directives incorporated into the contract.
- b. The TAC and the RAC shall each develop and maintain an internal ES&H program for their respective activities to ensure the protection of workers, the public, and the environment in accordance with applicable DOE orders. The RAC is responsible to maintain and keep current a Project-wide Health and Safety Plan that incorporates the information provided by the TAC for its operations, and the ES&H information for the TAC operations as well as that for DOE. The TAC shall ensure that the resulting integrated ES&H plan requirements are flowed down to its subcontractors.

- c. ES&H shall be operated as an integral, but visible part of how the TAC conducts business. This includes prioritizing work planning and execution, establishing clear ES&H priorities, allocating resources to address programmatic and operational considerations, collecting and analyzing monitoring data, and addressing all hazards for all operations and work. The TAC's ES&H program shall include qualified and experienced safety and health staff, worker rights, hazard identification, hazard prevention and abatement, training and information, recordkeeping and reporting.
- d. The TAC shall provide qualified and experienced personnel to assist DOE in ensuring that all radioactive waste is managed in a manner that is protective of worker, public health and safety, and the environment in accordance with DOE Order 435.1 Chg 1, Radioactive Waste Management.
- e. The TAC shall work closely with the RAC in the development of the Radiological Protection Plan (RPP) a joint compliance document specifying, among other things, the access controls for radiological areas, however, the RAC has the primary responsibility to maintain a documented 10 CFR 835 compliant Radiation Protection Program. The RAC is responsible for implementing and controlling access to radiological areas. The TAC shall ensure that its personnel comply with the Radiological Protection Program requirements as established by the RAC including, but not limited to, radiological area access, personnel dosimetry, urine bioassay program, radiological PPE, contamination monitoring, and other requirements as documented in the RPP.
- f. The TAC shall maintain the hillside monitoring system which includes radar-based monitoring equipment, video monitoring equipment, and the critical alarm capability for the hillside area above the rail bench at the Moab UMTRA Site. The equipment is used by the RAC to perform hillside monitoring and rock slide mitigation activities, by evaluating critical alarms and issuing daily "go-no go" notifications. The TAC shall coordinate as necessary with the RAC to ensure the ongoing operability and reliability of the system.

C.3.14 REGULATORY COMPLIANCE

- a. The Moab project is regulated by the NRC under Title I of the Uranium Mill Tailings Radiation Control Act of 1979. The State of Utah regulations address related fugitive dust emissions and storm water pollution prevention. The Moab Uranium Mill Tailings Record of Decision (ROD), dated September 2005, and the Amended ROD for the Remediation of the Moab Uranium Mill Tailings, Grand and San Juan Counties, Utah, dated February 29, 2008, apply to the Moab and Crescent Junction activities. The Final Remedial Action Plan (RAP), approved in August 2008, applies to the Crescent Junction disposal cell and placement of RRM.

- b. The TAC shall provide experienced and qualified personnel to ensure that all of the activities performed under this PWS comply with Regulatory agreements, laws, and requirements.
- c. The TAC is responsible to obtain and be named as the responsible party on many of the required permits in the conduct of activities under this PWS that apply to site activities (performed by DOE, RAC and TAC). The exceptions to this are the permits for the excavation and transportation of RRM which are the responsibility of the RAC. The TAC shall be responsible for the permit and agreement maintenance, monitoring, and reporting. The specific permits that are the responsibility of the DOE, RAC, or TAC are detailed in the Integrated Execution Plan (See Attachment J-10).
- d. The TAC shall be responsible for HQ reporting and oversight of environmental compliance initiatives using data provided by the RAC. The TAC shall be responsible for HQ reporting and conducting oversight of federal energy management initiatives using data provided by the RAC.
- e. The TAC shall be responsible for the Annual Site Environmental Report (ASER). This document is used to demonstrate overall environmental compliance at the project and is released to the public via the project web-site. Prior project ASERs may be viewed at the project web-site.

C.3.15 INDEPENDENT VERIFICATION

- a. The TAC shall provide experienced and qualified personnel to perform Independent Verification of materials and equipment (M&E) that are released from the Contaminated Areas at the Moab and Crescent Junction sites. The TAC shall prepare Independent Verification reports for all M&E that is verified.
- b. The TAC shall prepare Supplemental Standards Application property completion reports. These reports document the current environmental status and risk associated with properties in the area where mill tailings from the Moab mill may have been disposed. Field investigations associated with the properties have been completed, though some degree of verification may be required at the properties.
- c. The TAC shall assist the RAC Radiation Control organization with the conduct of sampling or in performing gamma scanning that may be required for the lower Moab Wash crossing or channel.
- d. The TAC shall track and oversee all TAC radiometric instrumentation relative to calibration and QA requirements. The purpose of this activity is to ensure that all

- equipment is calibrated and working correctly. DOE will assess equipment records on a random basis not less than annually.
- e. The TAC shall perform quarterly haul road surveys at the Crescent Junction site using the GPS/GS scanning system, prepare associated GPS/GS scan maps and reports, and perform annual geodetic surveys of site features.
 - f. The TAC shall assist with the evaluation of grab samples collected by the RAC relative to the 707 pCi/g Ra-226 requirement for RRM placement at the Crescent Junction site. The requirement for sampling applies during placement of the final 7 feet of RRM in the disposal cell at Crescent Junction. Twenty-six samples are required from each lift to ensure the material being placed in the cell meets the disposal cell acceptance criteria. The number of samples each year will vary depending on the areas of the disposal cell being brought to near final grade.

C.3.16 REVEGETATION

- a. The TAC shall maintain native vegetation and control weeds on approximately 135 acres of ground outside of the Moab site's contaminated area. The TAC shall perform general maintenance, service, and repair of any and all revegetation equipment, implements, and irrigation piping systems, as required to maintain the native vegetation.
- b. The RAC has responsibility to perform maintenance on the non-occupied grounds and areas, roads and parking lots. This includes snow removal from personnel walkways and application of clean sand (or other material compatible with the ROD requirements) to prevent slips and falls; grading to prevent minor water accumulation; and haul road and access road maintenance. During large storm events, TAC staff shall assist the RAC in snow removal to ensure worker safety.

C.3.17 VICINITY PROPERTY SURVEYS

- a. Vicinity Properties (VPs) are properties in the local community that are separate from the Moab UMTRA project site. RRM that originated from the former ATLAS mill site has been placed/transported to these properties through past activities. At this time, there is only one identified remaining site, VP 137 (Bert's Auto Site), located south of the city of Moab, about 8 miles from the Moab UMTRA site. After the property owner has completed sufficient cleanup of the property to allow for contamination remediation, the TAC shall perform a characterization survey of the property for the RAC's use in the remediation of any contaminated materials and any identified contaminated soils near the contaminated materials.

- b. The TAC shall perform Inclusion/Exclusion surveys on vicinity properties to determine if they contain RRM in excess of Uranium Mill Tailings Radiation Control Act cleanup standards, including soil sample analysis as necessary, and shall submit reports to DOE documenting the results of each survey. After DOE determines that a particular vicinity property will be included or excluded, the TAC shall perform further radiological assessment as necessary and required by DOE.
- c. The TAC shall be responsible for all Independent Verification of VP remediation efforts performed by the RAC. The TAC shall be responsible for preparing completion reports for all remediated vicinity properties. The TAC shall prepare completion reports for remediated off-pile areas, and portions of the pile as appropriate.

C.3.18 AUGMENTED TECHNICAL ASSISTANCE

- a. At the direction of DOE, the TAC shall provide experienced and qualified personnel to perform technical and administrative services related to the mission of the Office of Environmental Management's Grand Junction field office.

C.3.19 OUTGOING TRANSITION

- a. The work and services covered by this contract are vital to the DOE Moab mission and shall be maintained without interruption, both at the commencement (as described in Section C.3.1 TRANSITION) and the expiration of this contract (as described in this section).
- b. The TAC shall, at the completion of the contract, complete all necessary aspects of contract close-out. This will include, but not be limited to, ensuring all subcontracts are satisfied, all necessary filings have been completed with the DOE, all filing is current and up to date, equipment is acceptable and logs are complete, IT equipment is current and government property under its cognizance is accounted for. The TAC shall meet, as necessary, with the follow-on contractor to ensure a seamless transition. Other duties associated with transition to a new contract may be required.
- c. At the expiration of the final task order issued under the basic IDIQ contract, or any earlier termination thereof, the TAC shall cooperate with a successor contractor or the Government by allowing its employees to interview for possible employment. For those employees who accept employment with the successor contractor, such employees shall be released in a coordinated manner with the successor contractor. The TAC shall cooperate with the successor contractor and Government with regard to the termination or transfer arrangements for such employees to ensure maximum protection of employee service credits and fringe benefits.

- d. This clause shall apply to subcontracts as approved by the Contracting Officer.