

|                                                                                                                                                |  |                                           |  |                                                                                                     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT                                                                                             |  | 1. CONTRACT ID CODE                       |  | PAGE OF PAGES                                                                                       |  |
|                                                                                                                                                |  |                                           |  | 12                                                                                                  |  |
| 2. AMENDMENT/MODIFICATION NO.                                                                                                                  |  | 3. EFFECTIVE DATE                         |  | 4. REQUISITION/PURCHASE REQ. NO.                                                                    |  |
| P00125                                                                                                                                         |  | See Block 16C                             |  |                                                                                                     |  |
| 6. ISSUED BY                                                                                                                                   |  | CODE                                      |  | 5. PROJECT NO. (If applicable)                                                                      |  |
|                                                                                                                                                |  | 893042                                    |  | 00701                                                                                               |  |
| EM-Idaho<br>Department of Energy<br>Office of Environmental Management<br>Idaho Cleanup Project<br>1955 Fremont Avenue<br>Idaho Falls ID 83415 |  | 7. ADMINISTERED BY (If other than Item 6) |  | U.S. Department of Energy<br>Idaho Operations Office<br>1955 Fremont Avenue<br>Idaho Falls ID 83415 |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)                                                                    |  | (x)                                       |  | 9A. AMENDMENT OF SOLICITATION NO.                                                                   |  |
| IDAHO ENVIRONMENTAL COALITION LLC<br>Attn: Laura McGee<br>600 William Northern Blvd<br>Tullahoma TN 373884729                                  |  |                                           |  | 9B. DATED (SEE ITEM 11)                                                                             |  |
|                                                                                                                                                |  | x                                         |  | 10A. MODIFICATION OF CONTRACT/ORDER NO.<br>89303321DEM000061                                        |  |
|                                                                                                                                                |  |                                           |  | 10B. DATED (SEE ITEM 13)<br>05/27/2021                                                              |  |
| CODE                                                                                                                                           |  | FACILITY CODE                             |  |                                                                                                     |  |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

|           |                                                                                                                                                                                                                       |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.                                                                      |
|           | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
|           | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:                                                                                                                                              |
| X         | D. OTHER (Specify type of modification and authority)<br>FAR 52.243-2 - Changes -- Cost Reimbursement (Aug 1987) - Alt I (Apr 1984)                                                                                   |

E. IMPORTANT: Contractor ☐ is not ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: Not Available  
UEI: LQ5ZLNE3EM27

The purpose of this modification is to update Section C, Performance Work Statement, Section I, Contract Clauses, and Attachment J-2, List of Deliverables.

Section C, Performance Work Statement  
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C.9.2.01.01 Project Support Performance Requirements, Project Management, paragraph (3), incorporates the following updates:

- The system names are updated to One Enterprise Management System from Integrated Planning,

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

|                                                                                                            |  |                                                                                   |  |
|------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
| 15A. NAME AND TITLE OF SIGNER (Type or print)                                                              |  | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)                        |  |
| KIMBERLI SOUTHWICK Digitally signed by KIMBERLI SOUTHWICK (Affiliate)<br>Date: 2025.07.02 14:32:24 -06'00' |  | Grace H. Ruiz Digitally signed by GRACE RUIZ<br>Date: 2025.07.08 07:56:59 -06'00' |  |
| 15B. CONTRACTING OFFEROR (Signature of person authorized to sign)                                          |  | 16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)                  |  |
|                                                                                                            |  | 16C. DATE SIGNED<br>07/08/2025                                                    |  |

|                    |                                                                       |      |    |
|--------------------|-----------------------------------------------------------------------|------|----|
| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED<br>89303321DEM000061/P00125 | PAGE | OF |
|                    |                                                                       | 2    | 2  |

NAME OF OFFEROR OR CONTRACTOR  
IDAHO ENVIRONMENTAL COALITION LLC

| ITEM NO.<br>(A) | SUPPLIES/SERVICES<br>(B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | QUANTITY<br>(C) | UNIT<br>(D) | UNIT PRICE<br>(E) | AMOUNT<br>(F) |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-------------------|---------------|
|                 | <p>Accountability, and Budgeting System, and to Project Assessment and Reporting System (PARS) from PARS II.</p> <p>- PARS reporting requirement has been corrected to "greater" than \$50M from "less" than \$50M.</p> <p>Section I, Contract Clauses</p> <p>-----</p> <p>- FAR 52.222-9, Apprentices and Trainees (Jul 2005) (Applies to construction work only) is updated to remove paragraph (c).</p> <p>Attachment J-2, List of Deliverables</p> <p>-----</p> <p>- Deliverable 64, 2025 CERCLA 5-year review document, Driver Requirement is updated to C.4.4.06 from C.4.4.04.</p> <p>All other terms and conditions remain unchanged.</p> <p>Attachments:</p> <ol style="list-style-type: none"> <li>SF30_P00125_Final</li> <li>Section C Performance Work Statement P00125_Redline</li> <li>Section I Contract Clauses P00125_Redline</li> <li>Section J-2 List of Contract Deliverables P00125_Redline</li> </ol> <p>Payment:</p> <p>VIPERS</p> <p><a href="https://vipers.doe.gov">https://vipers.doe.gov</a></p> <p>Any questions, please contact<br/>by call/email 888-251-3557 or<br/><a href="mailto:payments@hq.doe.gov">payments@hq.doe.gov</a></p> <p>Period of Performance: 10/01/2021 to 09/30/2031</p> |                 |             |                   |               |

## **Part I – The Schedule**

### **Section C**

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## Section C - Performance Work Statement

### C.1.0 GENERAL AND BACKGROUND INFORMATION

Established in 1989, the Department of Energy's (DOE) Office of Environmental Management (EM) is charged with addressing the environmental legacy of over 50 years of nuclear weapons production and government sponsored research. The EM Mission statement is as follows:

*The EM mission is to complete the safe cleanup of environmental legacy resulting from five decades of nuclear weapons development and government-sponsored nuclear energy research. EM is responsible for managing and directing the cleanup of contaminated nuclear weapons manufacturing and testing Sites across the United States. Integral to that responsibility is the need to safely disposition large volumes of nuclear waste, safeguard and prepare for disposition of nuclear materials that could be used in nuclear weapons, deactivate and decommission several thousand radiologically and chemically contaminated facilities no longer needed to support the Department of Energy's mission and remediate extensive surface and groundwater contamination.*

DOE-EM manages cleanup activities within the Department of Energy's Idaho Operations Office (DOE-ID) at the Idaho National Laboratory (INL). Since its inception in 1949, the INL Site has fulfilled numerous DOE missions including designing and testing nuclear reactors; reprocessing spent nuclear fuel to recover fissile materials; managing spent nuclear fuel; and storing, treating and disposing of various waste streams. Currently, EM is a tenant on the Site, and the Office of Nuclear Energy (NE) is the landlord and maintains Site-wide infrastructure. The Idaho Cleanup Project (ICP) Contractor shall support and implement actions in furtherance of this mission as it relates to the ICP activities.

The ICP involves the safe environmental cleanup of the INL Site, contaminated with legacy wastes generated from World War II-era conventional weapons testing, government-owned research and defense reactors, spent nuclear fuel reprocessing, laboratory research, and defense missions at other DOE Sites. The ICP is funded through the DOE EM and the project focuses on reducing risks to workers, the public, and the environment, and protecting the Snake River Plain Aquifer, a sole source aquifer that sustains Idaho's agricultural industry.

The majority of EM's cleanup work at the INL Site is driven by regulatory compliance agreements. The two foundational agreements are: the 1991 Comprehensive Environmental Response Compensation and Liability Act (CERCLA)-based Federal Facility Agreement and Consent Order (FFA/CO), which governs the cleanup of contaminant releases to the environment; and the 1995 Idaho Settlement Agreement (ISA), which governs the removal of transuranic waste, spent nuclear fuel and high level radioactive waste from the state of Idaho. Other regulatory drivers include the Federal Facility Compliance Act-based Site Treatment Plan (STP), and other environmental permits, closure plans, Federal and state regulations, Records of

Decision (RODs) and other implementing documents. Requirements in this PWS are also derived from the following:

- The Agreement to Implement U.S. District Court Order dated May 25, 2006
- The Navy Addendum to 1995 Settlement Agreement
- The Memorandum of Agreement Concerning Receipt, Storage, and Handling of Research Quantities of Commercial Spent Nuclear Fuel at the Idaho National Laboratory
- The Supplemental Agreement Concerning Conditional Waiver of Sections D.2.e and K1 of 1995 Settlement Agreement
- The Agreement Concerning Handling of Spent Nuclear Fuel Generated by the Advanced Test Reactor

### C.1.1 Contract Purpose and Objectives

The End State Contracting Model (ESCM) is as a single award Indefinite Delivery/Indefinite Quantity (IDIQ) contract with the ability to issue both Cost-Reimbursement (CR) and Fixed-Price (FP) Task Orders (TO). The ESCM was developed as the preferred contracting approach to provide EM the needed flexibility to partner with industry and its stakeholders at this critical juncture of the EM Program to openly negotiate the right end states to reach completion. The purpose of this end state contract is to achieve significant reduction in financial liability and environmental risk that provides the best overall optimal solution towards completion of the DOE-EM mission at the INL Site by accomplishing the maximum amount of environmental cleanup in the least amount of time and at the best value to the U.S. taxpayer.

This IDIQ contract construct also provides DOE the needed flexibility to task the Contractor with using a risk-based approach to better define discrete scopes of work for Site closure or end states for more realistic, reliable pricing and appropriate incentive structures to yield significant reductions in EM's environmental financial liability.

Specific task orders will be issued (Section J attachments) throughout the ten-year contract ordering period to implement various aspects of this master performance work statement. The Contracting Officer (CO) will issue a Request for Task Order Proposal (RTP) in accordance with the Master IDIQ Contract Section H.51 *Task Ordering Procedure*, paragraph (c). The Contractor shall expediently provide the CO with the requested task order proposal(s) that are compliant with FAR Subpart 15.4 and paragraph (f) of the H.51 clause.

The Contractor shall comply with all Federal, State, and local laws and regulations, Executive Orders, DOE Orders (and other type of directives), Regulatory Permits, Agreements and Orders and Regulatory Milestones (both State and Federal) in the performance of this contract.

The majority of the ICP work is performed at two primary INL Site locations: the Radioactive Waste Management Complex (RWMC) and the Idaho Nuclear Technology and Engineering Center (INTEC). The ICP mission work encompasses: completing treatment of the liquid sodium bearing waste; stabilizing and storage of Spent Nuclear Fuel (SNF) and High-Level

Waste (HLW); shipping transuranic waste; treating and shipping remote handled waste; maintaining and operating the INTEC; closing remaining tank farm tanks; maintaining CERCLA remedial actions; and closure of the RWMC.

The scope of the ICP contract is categorized per the following areas:

- Facility Infrastructure: This principally includes INTEC and RWMC facility infrastructure. The Office of Nuclear Energy (NE) is the Lead Program Secretarial Office (LPSO) at Idaho and manages Site-wide infrastructure.
- Environmental Activities: This includes compliance with the Federal Facilities Compliance Act (FFCA) Site Treatment Plan (STP), Resource Conservation and Recovery Act (RCRA), CERCLA, including ISA activities principally at INTEC and RWMC; the remediation of the Subsurface Disposal Areas (SDA) at the RWMC; Test Area North (TAN) groundwater remediation; new CERCLA Site remediation; Site-wide Stewardship; and Idaho CERCLA Disposal Facility (ICDF) transition operations.
- Waste Management: This includes shipping Contact Handled (CH)-transuranic (TRU) waste; Remote Handled (RH)-TRU waste management; Mixed Low-Level Waste/Low Level Waste (M/LLW) activities/disposition; and disposition of newly generated waste as needed.
- Liquid Waste Facility Closure: This includes the Integrated Waste Treatment Unit (IWTU) operations to treat nearly 900,000 gallons of sodium bearing waste; completion of the Calcine Retrieval Project; and closure of the HLW Tank Farm tanks and associated liquid waste facilities at INTEC.
- Spent Nuclear Fuel: This includes SNF Operations and Management activities, as well as SNF Disposition. This also includes the Nuclear Regulatory Commission (NRC) License-required activities for the Independent Spent Fuel Storage Installations (ISFSI) located at INTEC and the Fort St. Vrain (FSV) ISFSI near Platteville, CO.
- Facility Decontamination and Decommissioning (D&D).

During the term of this Contract, the ICP Contractor (herein referred to as “the Contractor”) shall interface with the other INL Site contractors. Performance of the ICP scope will require significant and ongoing integration with multiple federal and contractor entities from EM, Office of Nuclear Energy (NE), and Department of the Navy (Navy) programs to accomplish cleanup without impacting ongoing Site missions. The Contractor shall establish interface agreement(s) with other contractors, as necessary, to ensure performance of contract requirements.

Currently, EM is a tenant on the Site, and NE is the landlord. The INL Site landlord contractor conducting work for NE is referred to as “the INL contractor” and is responsible for Site-wide infrastructure. The Contractor shall establish an interface agreement with the INL contractor in accordance with Section J, Attachment J-4, *List of INL Mandatory and Optional Site Services*. The Interface Agreement with the INL contractor shall describe how the Contractor and the INL contractor will interface on cross-cutting issues such as security, facility and program transfers, regulatory compliance, assignment of subcontractors, and other commercial obligations, consistently presenting information to the public and other arrangements of mutual benefit.

The Contractor shall also establish an interface agreement with the FSV contractor responsible for providing physical security services for the FSV SNF storage facility under NRC licenses and regulations.

The Contractor shall work cooperatively to ensure a mutual understanding and seek resolutions in the best interest of the Government and the ICP mission. Interface Management is a key function for effective and efficient delivery of services between contractors on the INL Site and FSV. The role of Interface Management is to solve issues in the best interest of the Government at the lowest level possible in the respective organizations.

The Contractor shall submit a Graded Approach for Implementation of Contract Requirements Plan for DOE approval to streamline processes, apply a graded approach, and identify efficiencies and performance improvements (e.g., DOE directives, regulations, and others) that are critical to accomplishing the Site mission. The plan shall include a review and recommendations of changes to the current Site standards and implementing procedures for the elimination of requirements and/or streamline of processes. The Contractor shall interface with the other Site Contractors on proposed changes, as necessary.

## **C.2.0 CONTRACT TRANSITION**

The contract transition period is estimated to be 90 days. The first day of the Transition Period will be the effective date of the transition task order. DOE will issue a Notice to Proceed, identifying the effective date of the transition task order. During the transition period, the Contractor shall perform those activities that are necessary to transition work from the previous ICP and NRC Licensed Facilities contractors in a manner that: (1) ensures that all work for which the Contractor is responsible under the contract is continued without disruption; (2) provides for an orderly transfer of resources, responsibilities, and accountability from the previous contractor(s); and (3) provides for the ability of the Contractor to perform the work in an efficient, effective, and safe manner. Workforce transition shall be managed in accordance with the requirements of applicable Section H Contractor Human Resource Management clauses.

### **C.2.1 Contract Transition Period**

The Contractor shall establish the necessary logistical support (office space, computers, telephone, etc.) to execute the 90-day transition period (estimated) and shall ensure all necessary personnel, including key personnel for the Contractor, are available during the transition period, unless specifically directed otherwise by the CO. All key personnel shall be assigned full-time to their respective positions and shall meet the requirements detailed in Section H.44, *Key Personnel*. A temporary duty station for transition activities shall be located in Idaho Falls, Idaho; and the temporary duty station shall be proposed to DOE for approval within five days after the effective date of the transition task order.

Public Release Statement: Within 72 hours following the effective date of the transition task order, the Contractor shall release, upon DOE approval, on its own website a brief Executive Summary of its offer including the following elements:

- Name of Contractor, including the identification of teaming partners and subcontractors, and a description of the experience that each party brings to the project.
- Workforce Impacts
- Organizational Structure and Identification of Key Personnel.
- Summary/description of Contractor's management approach.
- Contractor performance commitments.
- Brief overview of Contractor's work on similar projects.
- Commitments to the Community.
- Commitments to Small Business Subcontracting.

During the Contract Transition Period, the Contractor shall brief the incumbent workforce, Federal staff, and stakeholders on the Contractor's approach and commitments for accomplishing the Task Orders and overall PWS.

The Contractor shall submit a Transition Plan for DOE approval in accordance with Section J, Attachment J-2, *List of Contract Deliverables*. The objectives of the Transition Plan are to prepare for implementation of the contract and minimize the impacts on continuity of operations. The Transition Plan shall cover the necessary activities during the transition period. The plan shall cause minimal impact to the INL contractor, its personnel, Site tenants, and NE. The plan shall provide sufficient detail for all transition activities, including but not limited to: the transition schedule; a description of all necessary transition activities; coverage of key functional areas during the transition period; the planned strategy for developing required documents (including licenses and agreements); a brief description of all involved organizations; planned execution of Interface Agreements with other DOE-ID Site contractors and necessary Memoranda of Understanding (MOUs) with outside support organizations (e.g. NRC, Bureau of Land Management (BLM), etc.); required utilities; and other transition activities such as acquisition of necessary equipment, hiring and training of personnel, development or revisions of required plans and procedures, including transition of the waste certification program and the schedule to obtain recertification from the National Transuranic Program at the Carlsbad Field Office. In conjunction with this Transition Plan, due to the ongoing COVID-19 Pandemic, the Contractor shall also submit a COVID-19 Workplace Safety Plan. The safety plan shall be consistent with DOE's safety plan which has been previously provided. The Contractor shall submit its deliverable, as required, in accordance with Section J, Attachment J-2, *List of Contract Deliverables*.

The Contractor shall also provide a draft framework for the ICP 10-Year Task Order Strategy Plan, as initiated in the advance agreement for precontract costs dated August 5, 2021. This plan is intended to serve as the framework for planning, managing, and identifying the necessary resources to successfully award and administer the contemplated task orders over the 10-year

ordering period with the expectation of DOE-ID and the Contractor partnering in the development and final submittal of this joint deliverable. The Contractor shall submit its deliverable, as required, in accordance with Section J, Attachment J-2, List of Contract Deliverables.

The Contractor shall perform due diligence to ensure that all transition activities are identified and completed during the Transition Period.

The Contractor shall establish any Transition Interface Agreements necessary between it and other DOE-ID Site contractors/subcontractors to define necessary interface points, scope boundaries, and/or provision of services, as required. A purchase order, subcontract, or other contracting vehicle between the contractors may dually serve as the necessary Interface Agreement where appropriate. The Contractor shall provide all Interface Agreements to DOE for approval as they are established.

To ensure continuity of operations, the Contractor shall adopt, as applicable, the incumbent contractors' programs and procedures at the effective date of the transition task order (e.g. Safety Analysis Reports (SAR), Technical Safety Requirements (TSR), operating procedures, etc.), provided the Contractor has formally reviewed the programs and procedures to ensure compliance with contract requirements, current regulatory requirements, DOE Orders and directives, and the Contractors' organizational roles and responsibilities. The Contractor shall revise those programs and procedures it deems necessary to accommodate its technical approach, provided the programs and procedures remain in compliance with DOE requirements, and shall maintain its plans, procedures, programs, etc. in accordance with this PWS. The Contractor shall provide written notification to the CO of its intent to adopt existing programs and/or procedures prior to the end of contract transition. Note that the incumbent contractor operated its personal property system under DOE Order 580.1; however, the Contractor shall adhere to the 41 CFR 109 and FAR 52.245-1 requirements.

The Contractor shall submit a Declaration of Readiness to Execute Contract to the CO, prior to the end of transition, indicating readiness to assume responsibility for execution of the Contract. Also, the Contractor shall identify any post transition activities that may be required to complete transition (e.g., notifications to outside agencies of transfer of co-operator responsibilities, or completion of procedure updates).

### **Status Reports - Transition Activities**

The Contractor shall provide weekly status reports of transition activities to DOE. The Contractor shall establish routine status meetings with DOE and other affected contractors to review transition activities and issues. The frequency of the meetings may increase as the end of contract transition period approaches. The Contractor shall coordinate directly with DOE-ID and other organizations and contractors to finalize any transition agreements required to assume full responsibility at the end of the transition period.



## **DOE Safeguards and Security Survey**

During the contract transition period and prior to assuming control and responsibility for Safeguards and Security (S&S), the Contractor shall be subject to a DOE S&S initial survey conducted in accordance with DOE Order 470.4, *Safeguards and Security Program*. The results of the survey shall be documented and form the basis for DOE authorization to assume S&S responsibilities, in particular, responsibility for Special Nuclear Material (SNM), classified information and other applicable protection level assets identified in DOE Order 470.3, *Design Basis Threat (DBT) Order*. Following the receipt of DOE authorization, the Contractor shall assume responsibility at the end of contract transition for all applicable S&S resources, materials, facilities, documents, and equipment within the facilities for which the Contractor is responsible.

## **Assumption of Permits**

In accordance with Section H.57 clause entitled *Allocation of Responsibilities for Environmental Compliance*, the Contractor shall submit to DOE and/or the regulator, as required, in accordance with Section J, Attachment J-2, *List of Contract Deliverables*, certified permit modification requests (e.g., Site-wide level RCRA permits, EM facility-specific air permits, and EM facility-specific Waste Water Land Application permits) to assume ownership (i.e., change the “operator” name and identify a “responsible corporate officer” responsible for the permit).

## **INL Mandatory and Optional Site Services**

By end of contract transition, the Contractor shall establish a formal interface agreement with the INL contractor describing how the mandatory and optional Site services per Section J, Attachment J-4, *List of INL Mandatory and Optional Site Services*, will be performed throughout the ICP contract period. This agreement shall also address services provided by the ICP Contractor for purchase by the INL contractor. This formal interface agreement shall be submitted to DOE for concurrence.

### **C.2.2 Government-Owned Property and Equipment Responsibilities for Contract Transition Period**

Upon completion of the transition period, the Contractor shall accept transfer of and accountability for Government-owned property and equipment, including special nuclear material, from the following incumbent contracts:

- Idaho Cleanup Project (ICP) Core Contract # DE-EM0004083, Fluor Idaho, LLC
- Nuclear Regulatory Commission Licensed Facilities Contract # DE-EM0003976, Spectra Tech Inc.

All real and personal property currently accountable to the incumbent contractors for contract performance will be provided to the Contractor. During the contract transition period, an inventory record of such property in the DOE Facilities Information Management System

(FIMS) and incumbent contractors' personal property databases will be provided to the Contractor. Specifically, the following property acceptance requirements shall be implemented:

1. The Contractor shall perform a joint wall-to-wall physical inventory with the incumbent contractor(s) of all accountable high-risk and sensitive property during the transition period and accept full accountability for the high-risk and sensitive property at the end of transition. This requirement includes Government property in the possession or control of subcontractors.
2. The Contractor shall accept, at the end of transition, transfer of accountability for the remaining Government-owned real and personal property and equipment, including special nuclear material, not covered under this paragraph, based on existing inventory records, on an "as-is, where-is" basis, or perform a wall-to-wall inventory within the transition period of the contract. Any discrepancies from the existing inventory records shall be reported to the CO. As the formal inventories are completed, the Contractor shall assume responsibility and liability for subsequent losses and damages in accordance with FAR 52.245-1 and 41 CFR 109. If the physical inventory is not accomplished within the allotted time frame, the previous contractors' records will become the inventory baseline.

### C.3.0 EM FACILITY INFRASTRUCTURE

The Contractor shall maintain existing facilities in an acceptable functional condition that supports current and projected future missions.

General infrastructure support will be provided by the INL contractor to the Contractor in accordance with Section J, Attachment J-4, List of INL Mandatory and Optional Site Services over the contract period of performance as agreed to between the Idaho Office of Nuclear Energy and the Idaho Office of Environmental Management.

The Contractor shall fulfill the roles and responsibilities for routine activities associated with the Authority Having Jurisdiction (AHJ) for matters involving fire protection. The contractor shall fulfill roles and responsibilities for routine activities associated with the Building Code Official as defined by the International Building Code (IBC) for matters involving fire protection. The Contractor shall fulfill roles and responsibilities of "owner" or other equivalent term, in the application of DOE technical standards of industry codes and standards. Routine activities include (a) the issuance of permits; (b) the review and approval of construction documents and shop drawings (new construction, modification, or renovation); (c) the acceptance of fire protection equipment, materials, installation, and operational procedures (fire system inspection and testing); and (d) the interpretation of building codes or standards.

Documentation of the assigned activities performed shall be available for DOE review. DOE retains the right to override AHJ-related decisions, including the interpretation and application of DOE Order, guides, standards, and mandatory codes and standards.

The assignment of these activities excludes the following, which are retained by DOE:



1. Approval of exemptions and equivalencies/alternatives to DOE Order 420.1, Facility Safety, DOE-STD-1066-2012, Fire Protection, NFPA codes and standards, and the IBC. All exemptions and equivalencies/alternatives shall be submitted to DOE for approval; and
2. Interpretation and resolution of conflicts between NFP A requirements and IBC requirements. Recommendations of resolving conflicts between NFP A and IBC shall be submitted to and resolved by DOE.

### C.3.1 RWMC

The Contractor shall operate and maintain the EM-owned buildings and structures at RWMC unless and until they undergo D&D or transfer of ownership away from EM. This includes providing operators, maintenance crafts, engineers, support personnel (QA, Safety, etc.), and management. The Contractor shall maintain needed facilities, equipment, roads, and railroads within RWMC throughout the performance period to function at the same level and in the same condition as at the end of contract transition. This maintenance activity is a contract requirement in accordance with C.9.2.04 *Conduct of Maintenance*.

The Contractor shall operate and maintain the utility systems for RWMC unless and until they undergo D&D or transfer of ownership away from EM. In performing this scope, the Contractor shall reconfigure RWMC utility systems, as necessary, to accommodate the SDA cap and drainage system construction, and while doing so, ensure that necessary utilities are provided, as needed, to support other continuing mission activities. Utility services must provide adequate building protection including, but not limited to, fire protection and life safety (the INL contractor provides the Site-wide Fire Department, but the Contractor shall maintain fire protection within RWMC areas), alarm systems, and nuclear safety.

The Contractor shall be responsible for general facility maintenance and custodial services at RWMC, including, but not limited to: sanitary systems, trash removal, recycling, grass mowing, weed control, housekeeping, floor maintenance, pest control, and snow removal. This maintenance activity is a contract requirement in accordance with C.9.2.04 *Conduct of Maintenance*. The INL contractor provides electrical power to the RWMC substations. The Contractor shall maintain the power distribution systems downstream from these substations and reimburse the INL contractor for power consumption.

### C.3.2 INTEC

The Contractor shall operate and maintain the EM-owned buildings and structures at INTEC. This includes providing operators, maintenance crafts, engineers, support personnel (QA, Safety, etc.), and management. The Contractor shall maintain needed facilities, equipment, roads, and railroads within INTEC throughout the performance period to function at the same level and in the same condition as at the end of contract transition. This maintenance activity is a contract requirement in accordance with C.9.2.04 *Conduct of Maintenance*. The Contractor shall refer to:

- Section C.5.3 RH-TRU Waste Disposition for specific scope requirements related to the operations, maintenance, monitoring and improvements of RH-TRU Program facilities at INTEC; and
- Section C.7.0 Spent Nuclear Fuel (SNF) Management for required surveillance, maintenance, and stabilization of SNF facilities.

The Contractor shall operate and maintain the utility systems for INTEC. Utility services must provide adequate building protection including, but not limited to, fire protection (the INL contractor provides the Site-wide Fire Department, but the Contractor shall maintain fire protection within INTEC areas), alarm systems, nuclear safety, and Life Safety Code requirements, specified in National Fire Protection Association 101.

The Contractor shall operate and maintain the INTEC Calcine Solids Storage Facility bin sets.

The Contractor shall be responsible for general facility maintenance and custodial services at INTEC including, but not limited to: sanitary systems, trash removal, recycling, grass mowing, weed control, housekeeping, floor maintenance, pest control, and snow removal. The INL contractor provides electrical power to the INTEC substations. The Contractor shall maintain the power distribution systems downstream from these substations and reimburse the INL contractor for power consumption.

The Contractor shall provide material and storage control for Three Mile Island Unit 2 (TMI-2) and FSV spare parts that are currently located in Idaho.

The Contractor shall proactively reduce anthropogenic water sources at INTEC per the CERCLA ROD for Tank Farm Soil and INTEC Groundwater, Operable Unit (OU) 3-14 (DOE/ID-11296).

### **C.3.3 Other Facility Infrastructure**

The Contractor shall operate and maintain the EM-owned buildings and structures at the INL Site, outside of RWMC and INTEC, including the FSV facility in Colorado, unless and until they undergo D&D or transfer of ownership away from EM. The Contractor shall maintain needed facilities, equipment, roads, and railroads within these other areas throughout the performance period to function at the same level and in the same condition as at the end of contract transition. The Contractor, where applicable for EM owned buildings, shall maintain the power distribution systems downstream from these substations, and reimburse the INL contractor for power consumption. This maintenance activity is a contract requirement in accordance with C.9.2.04 *Conduct of Maintenance*.

### **C.4.0 CERCLA REMEDIATION**

The Contractor shall ensure compliance with the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and the CERCLA-based Federal Facility Agreement and Consent Order (FFA/CO) for the Idaho National Engineering Laboratory (1991), the Agreement to Implement (2008), and with associated CERCLA Records of Decision and their

implementing plans for Waste Area Groups (WAG) 1-7 and 10. Scope related to WAGs 5 and 6 is included in WAG 10. CERCLA documents referred to are available at <https://fluor-idaho.com/arir/>. The Contractor shall develop, submit, and finalize reports in accordance with Section J, Attachment J-5, *Environmental Regulatory Structure and Interface Protocol for the ICP Contractor*. Key CERCLA deliverables, including FFA/CO Primary documents, are listed in Section J, Attachment J-2, *Contract Deliverables*.

This scope also includes, but is not limited to: hazardous substance release Site evaluation and remediation, institutional controls, monitoring, operation and maintenance of remedial actions, and CERCLA Five-Year reviews. The Contractor shall implement the Quality Assurance Project Plan (QAPjP) (DOE/ID-10587) as applicable for data collection activities under the FFA/CO.

The Contractor shall implement the INL Site Community Involvement Plan (DOE/ID-11518) as it applies to CERCLA Remediation work throughout the contract period of performance.

#### **C.4.1 INTEC Tank Farm Cap**

The Contractor shall maintain the Interim Tank Farm Low Permeability Cover 90% Design (EDF-10116) and update it as necessary to reflect current field conditions and requirements until the Low Permeability Cover is complete. The 90% design drawings for Phase II include a design for installation of low permeability pavement on the Tank Farm. Part A was completed during 2017 (See Operable Unit 3-14, Tank Farm Soil and INTEC Groundwater, Phase I and Phase II, Part A Interim Remedial Action Report – DOE/ID-11475, February 2018).

The Contractor shall construct a low-permeability pavement cover over the eastern third of the tank farm (including any activities necessary to prepare the tank farm area for low-permeability pavement) in accordance with Phase II Part B of the Operable Unit 3-14 Tank Farm Soil and INTEC Groundwater Remedial Design/Remedial Action Work Plan (DOE/ID-11333) and the Phase II 90% Design Drawings (EDF-10116), including completion and final regulatory approval of the associated Remedial Action Report. The Contractor shall complete construction of Phase II Part B of the low permeability pavement upon completion of RCRA closure of WM-187, 188, 189, & 190 tanks.

The Contractor shall maintain the entire low permeability cover and Recharge Control Zone asphalt throughout the contract period of performance in accordance with the Operable Unit 3-14 Tank Farm Soil and INTEC Groundwater Operation and Maintenance Plan (DOE/ID-11337).

#### **C.4.2 RWMC SDA Cap**

The Contractor shall construct an evapotranspiration surface barrier (cap) over the Subsurface Disposal Area (SDA) located at RWMC in accordance with the approved Phase 1 Remedial Design/Remedial Action Work Plan for Operable Unit 7-13/14 (DOE/ID-11389), Remedial Design Work Plan (DOE/ID-11482) and Operable Unit (OU) 7-13/14 Phase 3 Remedial Design

(DOE/ID-12015). The Contractor shall complete, submit, obtain regulatory approval as required, and implement construction-related documents in accordance with these work plans or associated documents, e.g. the Operable Unit 7-13/14 Phase 3 Remedial Design Work Plan (DOE/ID-11482), and those included in Section 6 of the Remedial Design Report.

The Contractor shall document surface barrier completion and the entire completion of the OU 7-13/14 ROD (DOE/ID-11359) implementation in a Comprehensive Remedial Action (RA) Report, which shall be submitted in accordance with the above-noted Work Plans by December 31, 2033, and finalized in accordance with the FFA/CO. RA Report documentation shall demonstrate compliance with DOE Order 435.1.

The Contractor shall work with the U.S. Corps of Engineers and obtain a renewed determination, prior to its expiration in June of 2022, that the Spreading Areas are not waters of the U.S.

The Contractor shall complete borrow source restoration as addressed in the Borrow Area Excavation and Restoration Plan for Evapotranspiration Surface Barrier Construction (D)E/ID-2137).

The Contractor shall prepare all areas in the footprint of the SDA surface barrier and drainage channel for construction.

The Contractor shall implement the mitigation strategy in the March 2020 Memorandum of Agreement between the United States Department of Energy, Idaho Operations Office and the Idaho State Historic Preservation Office regarding the Subsurface Disposal Area Cap at the Radioactive Waste Management Area (DE-NE700107) (i.e., install an interpretive panel to provide historic information regarding the role of Goodale's Cutoff).

#### ***C.4.2.01 Vadose Zone Rebound Study***

The Contractor shall complete a vadose zone rebound study in accordance with the Remedial Design Work Plan (DOE/ID-11482, Section 3.2) (envisioned to be in two parts in the draft test plan), the associated Rebound Study Test Plan (DOE/ID-11569), and Field Sampling Plan (DOE/ID-11569, Appendix A). Upon completion of the study, the Contractor shall submit a Rebound Study Report for regulatory agency review per the FFA/CO review process by March 31, 2024, per the Remedial Design (RD) Work Plan.

#### ***C.4.2.02 Long-Term Monitoring Network***

The Contractor shall develop, obtain approval of, and implement a well decommissioning plan and Post-remedy Long-term Monitoring Plan as discussed in the Long-term Monitoring Study for Operable Unit 7-13/14 (DOE/ID-11568). The Contractor shall document decommissioning of wells and boreholes in the annual INL Water Use Report and Comprehensive Well Inventory submitted to Idaho Department of Water Resources (IDWR) each year.

### **C.4.3 Idaho CERCLA Disposal Facility (ICDF)**

The Contractor shall operate ICDF and dispose of CERCLA soil and debris in the landfill, and dispose of CERCLA waste liquids in the evaporation ponds, in accordance with the Operable Unit 3-13 Record of Decision (DOE/ID-10660) and the following documents:

- ICDF Complex Remedial Action Work Plan (DOE/ID-10984)
- ICDF Complex Operations and Maintenance (O&M) Plan (DOE/ID-11000)
- ICDF Groundwater Monitoring Plan (DOE/ID-10955)
- ICDF Operational and Monitoring Sampling and Analysis Plan (DOE/ID-11005)
- ICDF Waste Acceptance Criteria (DOE/ID-10881)
- ICDF Complex Waste Profile and Verification Sample Guidance (DOE/NE-ID-11175)
- Health and Safety Plan for ICDF INEEL/EXT-01-01318
- DOE Manual 435.1-1, *Disposal Authorization Statement* and associated technical basis documents (e.g. ICDF DOE Order 435.1 Annual Summary Reports)
- ICDF Waste Placement Plan (EDF-ER-286).

#### ***C.4.3.01 ICDF New Cell Construction***

The Contractor shall construct a new disposal cell at the ICDF and any needed support infrastructure upon direction from the DOE CO.

#### ***C.4.3.02 ICDF CAP***

The Contractor shall close the existing ICDF landfill cells in accordance with the Operable Unit 3-13 Remedial Design Work Plan (DOE/ID-10984) upon direction from the DOE CO.

### **C.4.4 Waste Area Groups**

#### ***C.4.4.01 WAG 1 Test Area North (TAN)***

The Contractor shall implement the Technical Support Facility Injection Well (TSF-05) Record of Decision (ROD) for WAG 1, Operable Unit (OU) 1-07B, and the associated ROD Amendment (DOE/ID-10139, AMENDMENT). Accordingly, the Contractor shall implement the In-Situ Bioremediation (ISB) Rebound Test Plan (DOE/ID-11444).

The Contractor shall implement the Groundwater Monitoring Plan for TAN OU 1-07B (DOE/ID-11412).

The Contractor shall implement the Operations and Maintenance Plan for OU 1-07, TAN Groundwater Remediation (DOE/ID 11558). The Contractor shall comply with the Waste Management Plan for TAN Final Groundwater Remediation OU 1-07B (INEEL/EXT-98-00267).

The Contractor shall maintain the TAN Demolition Landfill in accordance with the Post Closure Care requirements pertaining to the period after the first six months following the Closure Certification per the approved Closure Plan (DOE/ID-11347).

***C.4.4.02 WAG 2 Advanced Test Reactor Complex Remediation***

The Contractor shall implement the Groundwater Monitoring Plan for the Advanced Test Reactor Complex OU 2-13 (DOE/ID-10626).

***C.4.4.03 WAG 3 INTEC CERCLA Remediation***

The Contractor shall implement the Record of Decisions (RODs) for WAG 3, OU 3-13 (DOE/ID-10660) and 3-14 (DOE/ID-11296), to ensure Remedial Action Objectives (RAO) are met.

The Contractor shall implement the OU 3-14 Tank Farm Soil and INTEC Groundwater Remedial Design/Remedial Action (RD/RA) Work Plan (DOE/ID-11333).

The Contractor shall implement the OU 3-14 Tank Farm Soil and INTEC Groundwater Long-Term Monitoring Plan (DOE/ID-11334).

The Contractor shall implement the OU 3-14 Tank Farm Soil and INTEC Groundwater Operation and Maintenance Plan (DOE/ID-11337).

The Contractor shall comply with the OU 3-14 Tank Farm Soil and INTEC Groundwater Waste Management Plan (DOE/ID-11335).

***C.4.4.04 WAG 4 Central Facilities Area Remediation***

The Contractor shall implement the Long-Term Monitoring and Field Sampling Plan for the Central Facilities Area Landfills I, II, and III under OU 4-12 (DOE/ID-11374).

***C.4.4.05 WAG 7 RWMC CERCLA Remediation***

The Contractor shall perform WAG 7 remediation activities in accordance with the OU 7-13/14 ROD (DOE/ID-11359). Remediation activities/approaches, and controlling documentation, shall be revised as necessary, with the full participation of the parties to the FFA/CO, as envisioned by the FFA/CO, as the final phases of ROD implementation are completed.

The Contractor shall implement the Vadose Zone Field Sampling Plan for OU 7-13/14 (DOE/ID-11503), as long as the system continues to operate, with exceptions as needed to accommodate the vadose zone rebound test and removal of the vapor vacuum extraction system.

The Contractor shall implement the Field Sampling Plan for OU 7-13/14 Aquifer Monitoring (DOE/ID-11492) and perform groundwater monitoring and Operation and Maintenance of the



monitoring wells, with the understanding that the monitoring network and associated monitoring plans and work scope shall be revised to accommodate/support the SDA cap construction.

The Contractor shall keep current and implement the OU 7-13/14 Operations and Maintenance Plan (DOE/ID-11393); operate and maintain the vapor vacuum extraction system subject to above requirements; complete Pad A inspections and reports, etc. The Contractor shall revise the plan in accordance with the FFA/CO to allow the studies (e.g., vadose zone rebound test and system removal) necessary to complete the design for the final SDA cap.

The Contractor shall implement the Health and Safety Plan for OU 7-13/14 Field Activities (ICP/EXT-04-00209) for applicable work at RWMC.

Upon completion of targeted waste exhumation, the Contractor shall transfer to the state of Idaho all required buried waste exhumation video and other applicable records in a format mutually acceptable and agreed to.

#### ***C.4.4.06 WAG 10 Balance of Site Remediation***

The Contractor shall implement the Comprehensive ROD for WAG 10, OU 10-08 (DOE/ID-11385), for Long-Term Management and Control of ICP Sites to ensure remedial action objectives are met.

The Contractor shall maintain all CERCLA records and operate and maintain the environmental databases for all WAGs. This includes, but is not limited to, the Institutional Control (IC) database; the Geographical Information System; the CERCLA Action Tracking System; the Environmental Data Warehouse (EDW); and the Administrative Record and Information Repository.

The Contractor shall implement the Site-Wide Institutional Controls, and Operations and Maintenance (IC & O&M) Plan (DOE/ID-11042).

The Contractor shall prepare a draft CERCLA 5-year review document for submittal to regulatory agencies by August 15, 2025, 2030, and possibly 2035. The Contractor shall also be responsible for revising and finalizing the 5-year review document per agency comment.

The Contractor shall implement the OU 10-08 Post-Record of Decision Groundwater Monitoring and Field Sampling Plan (DOE/ID-11420). The Contractor shall maintain the current CERCLA monitoring well network, including well logging, routine maintenance of existing monitor wells, and the annual reporting of such activities.

The Contractor shall manage and maintain the New Site Process by identifying, tracking, remediating, and documenting the remediation of future new Sites in accordance with OU 10-08 ROD and Remedial Design Remedial Action Work Plan (DOE/ID-11418). See Section 5 of

DOE/ID-11418. The Contractor shall perform remedial actions at new CERCLA Sites identified through the New Site Identification (NSI) process.

The Contractor shall complete New Site Identification Forms (NSID), Part As, Part Bs, etc. as necessary. Part A NSI forms shall be submitted to the Agencies within 30 days of discovery of a New Site. New Site identification forms (Parts A and B) are included in the OU 10-08 Remedial Design Remedial Action Work Plan (DOE/ID-11418) as Appendix F.

The Contractor shall prepare a Plug-in Remedy Memorandum and an Explanation of Significant Differences for the implementation of the plug-in remedies as needed.

The Contractor shall implement Field Sampling Plans (FSP) and remedial actions in the field as needed.

FSP documents for potential new Sites shall be posted to <https://fluor-idaho.com/arir/> when complete.

After the FSPs are implemented and characterization data are obtained, the Contractor shall complete Part B of the NSID process for each Site and obtain regulatory agency approval.

#### **C.4.5 RWMC Low Level Waste Disposal Facility Closure**

The Contractor shall close the Active Low-Level Waste Disposal Facility (ALLDF) and the two inactive soil vaults in Soil Vault Row (SVR) 21 in accordance with RPT-576 Interim Closure Plan for ALLDF RWMC - 2016 - 435.1 to facilitate construction of the surface barrier.

#### **C.4.6 Additional Groundwater Monitoring Wells**

The Contractor shall abandon existing monitoring wells and install new monitoring wells (e.g. the CFA Landfill monitoring and TAN Groundwater Remediation) for monitoring upon direction from the DOE CO.

#### **C.5.0 WASTE MANAGEMENT**

The Contractor shall manage hazardous waste, Low Level Waste (LLW), Mixed Low Level Waste (M/LLW) (including primary M/LLW from INTEC and AMWTP, which was stored as Idaho Settlement Agreement Contact Handled Transuranic (CH-TRU) waste and after treatment was reclassified as M/LLW), CH-TRU and Remote Handled (RH)-TRU waste, and exhumed buried CH-TRU waste generated by the ICP. Waste types anticipated to be encountered under this PWS include debris, solids, and soil. The Contractor shall establish and maintain a DOE Order 435.1-compliant LLW, M/LLW and TRU waste program. This includes, but is not limited to: treating waste (as necessary); maintaining characterization and treatment equipment and facilities; supporting inspection, certification, and compliance audits (including multiple disciplines within the Department of Energy Consolidated Audit Program (DOECAP) process); transporting and disposing of waste; and interfacing with regulatory agencies including EPA, the



state of Idaho (e.g. Attorney General's office, Governor's office, Department of Environmental Quality, etc.), the state of Nevada, and the state of New Mexico.

The Contractor shall be subject to the Department of Transportation (DOT) Hazardous Material Regulations (HMR). If the Contractor prepares and/or conducts an offsite shipment that is not in accordance with the HMR, then the Contractor shall apply for a DOT Special Permit. Applications shall be submitted to the Manager, ICP for processing through the EM Headquarters Certifying Official (HCO) to DOT. Applications shall follow the directions in 49 CFR 107.105.

TRU waste generated or managed under this Contractor encountered during the course of accomplishing this contract work shall be processed and shipped out of the state of Idaho in accordance with the receiving facility (e.g., Treatment Storage and Disposal Facility (TSDF) or Waste Isolation Pilot Plant (WIPP)) waste acceptance criteria and shipping schedules (as approved by the receiving facility or Carlsbad Field Office (CBFO)).

All TRU waste with a generation date of 1995 or earlier shall be managed as Idaho Settlement Agreement TRU waste and is defined as "Legacy TRU waste." Waste previously retrieved from the Transuranic Storage Area – Retrieval Enclosure (TSA-RE) includes waste that may fall out as M/LLW after treatment and characterization is completed and before final certification for shipping for disposal occurs and shall be shipped accordingly. All ISA CH-TRU waste shall be shipped out of the state of Idaho in accordance with the WIPP shipping schedule approved by the CBFO. All ISA CH-TRU waste and associated volumes that shall be shipped shall be accounted for by the Contractor by providing objective evidence to DOE of compliance with provisions of the 1995 Idaho Settlement Agreement and the INL Site Treatment Plan.

All targeted waste exhumed and packaged from the SDA under OU 7-13/14 activities, regardless of assay results, shall be processed and shipped out of the state of Idaho in compliance with the requirements defined in the Agreement to Implement. For WIPP disposal purposes, related to the exhumation of buried waste, the Contractor shall manage exhumed waste in accordance with the applicable requirements of the Waste Analysis Plan of the WIPP Hazardous Waste Facility Permit

The Contractor shall perform work associated with the disposal of TRU waste at WIPP, which includes, but is not limited to: retrieval from various on-Site locations; development of acceptable knowledge documentation (including Tier 1-request development and support); visual examination as needed; waste characterization and certification; assembly of containers into payloads; and loading of approved transportation containers for shipment to and disposal at WIPP. The Contractor shall certify TRU waste to meet the requirements of the most current version of the WIPP Waste Acceptance Criteria (WAC), which includes, but is not limited to: development of data packages to show compliance with the WIPP WAC, defense of data packages, and negotiation with the state of New Mexico and EPA.

Payloads that are certified for disposal at WIPP by the National TRU Program at CBFO shall meet the requirements for shipment in TRUPACT-II containers, TRUPACT-III containers, HalfPACT containers, RH-72B containers, Shielded Container Assemblies, or other NRC-certified packaging as applicable. The container specifications for approved payload configurations are identified in the most current version of the WIPP WAC. The payload configurations can include a mixture of TRU waste and waste having TRU constituents provided the final disposal configuration is determined to be TRU waste.

The WIPP Shipping Baseline schedule is subject to CBFO approval and utilizes a week starting on Sunday and ending on Saturday. The Contractor shall ensure the WIPP Shipping Baseline schedule accounts for the following Idaho native Indian tribal holidays: Treaty Days (July 3), Independence Day (July 4), Shoshone – Bannock Indian Festival (typically the second weekend in August, Thursday through Sunday) and Indian Days (typically the last Friday of September). The Contractor shall plan for approximately six weeks for the annual WIPP maintenance shutdown, typically during the second quarter of the Government fiscal year. CBFO will establish what constitutes the last shipment prior to a holiday or shutdown and when shipments can resume. Additionally, CBFO will suspend shipping while upgrades are being done to the WIPP infrastructure and underground.

Agreement on specific dates for TRU waste shipments to WIPP are reached between DOE-ID and DOE-CBFO approximately one month in advance. The WIPP Shipping Baseline schedule is subject to changes based upon CBFO funding and DOE priorities. Shipment departure times are subject to CBFO approval in order to comply with CBFO agreements with participating states en route (e.g. the number of shipments at a Port of Entry at any one time or shipment arrival times at a Port of Entry).

Transportation inspections are required by the U.S. DOT and the state of Idaho prior to the TRU waste shipments leaving the INL Site. The Contractor shall be responsible for control of the shipment through loading and assembly of the cask, placement and securing the cask onto the transport trailer provided by the Government, and inspection of the assembled load, truck, and trailer by the Idaho State Police (ISP). After the ISP has determined that the shipment has passed inspection, the shipment is released, thereby transferring control to the WIPP transportation contractor. Transportation of TRU waste to WIPP is the responsibility of CBFO after the transport receives dispatch approval from the WIPP Central Monitoring Room and leaves the INL security gate. The Contractor shall coordinate with the INL contractor and CBFO to allow for ISP badging, security interactions, and access to the inspection area.

The Contractor shall manage material previously mischaracterized as SNF, identified in Section C.7 *SNF Management*, by performing waste determination support, treatment, characterization, certification and shipping for disposal.

The three major waste programs discussed under this section include: CH-TRU (C.5.1 and C.5.2), RH-TRU & RH-M/LLW (C.5.3 and C.5.4), and CH M/LLW (C.5.5).

### **C.5.1 CH TRU Waste Disposition**

The Contractor shall complete certification of all ISA waste at the Transuranic Storage Area (TSA) and also shall complete shipment out of the state of Idaho in accordance with the WIPP shipping schedule approved by the CBFO.

#### ***C.5.1.01 AMWTP Permit***

The AMWTP Hazardous Waste Management Act (HWMA)/RCRA Permit was issued with an original effective date of June 4, 2008, and currently consists of the Waste Storage Facilities (WSF) WMF-628 through WMF-635, WMF-610, WMF-676, and the Outside Storage Area. The WSF, WMF-610, and WMF-676 are currently permitted for storage, various miscellaneous treatment, and mechanical processing. WMF-636 Pad 2 and the Outside Storage Area are currently permitted for container storage and treatment.

The Contractor shall maintain the currency of the AMWTP HWMA/RCRA Permit as required by the INL RCRA Work Plan.

WMF-636 (TSA-RE) is a weather-tight metal building over hazardous waste container storage units TSA-RE Pad R, Pad 2, and Pad 1. The TSA-RE building covers the waste stack, berms, and sloped earth. TSA-RE Pad 1 and TSA-RE Pad R are currently permitted for storage, liquid absorption, decanting, neutralization, sizing, and repackaging. The Pad 1 and Pad R portions of this unit will operate under interim status, and the Pad 2 portion of this unit will operate under the AMWTP HWMA/RCRA Permit until closure.

#### ***C.5.1.02 CH-TRU Characterization and Certification***

In order to ship waste to WIPP, the waste shall be characterized, certified, and shipped by a program that is certified by the National TRU Program at CBFO. At the end of contract transition, the Contractor shall have implemented the DOE approved schedule to obtain, in a timely manner, the certification authority granted to the Idaho CH-TRU Program by CBFO in order to characterize and certify CH-TRU waste for disposal at WIPP. The Contractor shall maintain the certification authority to perform the characterization, certification, and shipping of CH TRU waste to WIPP throughout the contract period. To maintain this capability, the Contractor shall accommodate, at a minimum, audits performed by the CBFO, the state of New Mexico, and the EPA.

The Contractor shall perform characterization as needed for storage, treatment, certification, transportation, and disposal of CH-TRU waste. Characterization may include, but is not limited to: radiological or radiographical examination; visual examination; non-destructive assay; head-space gas analysis; and/or flammability analysis (prior to final certification); reviewing characterization and treatment data to ensure the waste meets all disposal requirements; or any other methodology acceptable to DOE. The Contractor shall ensure waste packages meet all

certification requirements for acceptance at WIPP, per the most current version of the WIPP WAC.

#### ***C.5.1.03 CH-TRU Treatment***

The Contractor shall treat CH-TRU waste for disposal and certify that the waste has been treated to applicable requirements, including the waste acceptance criteria of the treatment/disposal facility (e.g., the WIPP WAC). Waste that is demonstrated through assay to contain a concentration of greater than or equal to 100 nCi/g of transuranic isotopes shall be treated to meet the requirements of the most current WIPP WAC and shall be disposed of as CH-TRU. Waste that is demonstrated through assay to contain a concentration of less than 100 nCi/g of transuranic isotopes shall be classified as M/LLW and shall meet the requirements of the appropriate disposal facility's WAC for disposition.

Existing treatment processes include, but are not limited to: repackaging, size reduction, opening and sorting waste in order to address prohibited conditions, and mixing with absorbent to remove free liquid. These processes are currently performed in various treatment tents in the CH-TRU program, ARP-VII for sludge repackaging, and various other facilities at RWMC as needed. The existing processes and equipment are the responsibility of the Contractor to be utilized as needed to treat waste in an acceptable manner for the WAC for the receiving facilities.

#### ***C.5.1.04 CH-TRU Storage and Movement***

The Contractor shall store all waste in a safe and compliant manner until the waste is disposed off-Site or transferred for shipment to WIPP. Waste may be transferred within the RWMC footprint without characterization or Department of Transportation (DOT) compliant packaging. Waste transfers between RWMC and INTEC or Materials and Fuels Complex (MFC) shall be performed under the Contractor's DOE approved Transportation Safety Document in accordance with DOE Order 460.1, *Hazardous Materials Packaging and Transportation Safety*.

#### ***C.5.1.05 CH-TRU Packaging and Transportation***

Contractor assembly and certification of payloads and shipments are under the oversight and authority of the National TRU Program (NTP) at CBFO. The Contractor shall utilize the services of the NTP at CBFO contractor to oversee the development of the CH-TRU waste assembly and certification of payloads and shipments in accordance with the DOE CBFO TRU Waste Transportation Program.

For the CH-TRU packaging and transportation activities, the NTP at CBFO contractor will be responsible for:

- Assembly of certified waste containers into virtual payloads for shipment to WIPP
- Completion of flam gas analysis and other transportation related activities that lead to the development of a certified shipment

- Oversight of the payload assembly and loading for WIPP shipment, and
- Shipment of waste to WIPP.

The Contractor shall follow DOE policy for efficient use of TRU waste transportation resources which requires shipping Sites to ship the maximum number of loaded packages (e.g., three TRUPACT-IIIs or two TRUPACT-IIIs and one Half-PACT) per shipment with minimal dunnage containers and the maximum amount of waste. All over-packed shipping configurations require specific advance approval from the National TRU Program at CBFO.

The Contractor shall follow NTP at CBFO requirements specified in the WIPP WAC and CBFO certification letters. Such measures shall include, but are not limited to, utilizing payload configurations and waste packaging that minimizes dunnage and maximizes shipping and disposal efficiency.

The Contractor shall utilize transport containers provided by WIPP. Transport of TRU waste to WIPP is a Government furnished service that is provided by CBFO. Costs for transportation of TRU waste to WIPP that are associated with: TRUPACT-II, TRUPACT-III, Half-PACT, other approved NRC licensed containers, trailers, tractors, drivers, and disposal at WIPP are borne by CBFO, with the exception of consumables (e.g. ten-drum over packs, Standard Large Box (SLB) 2, standard waste box, etc.).

The Contractor shall coordinate with NTP at CBFO to ship all CH-TRU waste. CH-TRU waste shall be shipped per the shipping schedule established by NTP at CBFO.

The Contractor shall continue to operate and maintain facilities WMF-602, 610, 618, 628, 634, 635, and type II storage modules (WMF- 629 – 633) as needed through completion of shipping.

### **C.5.2 Buried Waste Exhumation**

The Contractor shall continue implementation of the WAG 7 OU 7-13/14 ROD and Agreement to Implement Court Order, dated May 25, 2006, including all required actions and reporting. In performing waste exhumation, the Contractor shall implement the OU 7-13/14 Phase 1 RD/RA Work Plan, Rev. 2 (DOE/ID-11389). Targeted buried waste exhumation shall be completed, and the draft Phase I Interim Remedial Action Report shall be submitted to the agencies in accordance with the FFA/CO and the *Environmental Regulatory Structure and Interface Protocol for the ICP Core Contractor* (see Section J, Attachment J-5). The Phase I Interim Remedial Action Report shall be finalized with regulatory agency acceptance in accordance with the FFA/CO.

The Contractor shall complete buried waste exhumation of the remaining footprint in ARP IX at the RWMC using the existing facilities and equipment (excavators, telehandlers, front end loaders, Drum Packaging Stations, etc.). All other work associated with processing exhumed waste shall be completed in accordance with Sections C.5.1.02, C.5.1.04, and C.5.1.05.

### **C.5.3 RH-TRU Waste Disposition**

The Contractor shall monitor and maintain the storage of RH-TRU waste and support the shipment for disposal out of Idaho for all RH-TRU in storage. All waste shall be shipped out of the state of Idaho for disposal in accordance with the WIPP shipping schedule. This scope includes the operations, maintenance, monitoring and improvements of RH-TRU Program facilities at INTEC. These activities shall include, but are not limited to: routine operations and maintenance activities needed to support the RH-TRU Program facilities and any facility improvements needed to sustain operations.

The RH-TRU Program consists of the following elements.

#### ***C.5.3.01 RH-TRU Characterization and Certification***

In order to ship waste to WIPP, the waste shall be certified and characterized, packaged, and shipped by a program that is certified by CBFO. The Contractor shall verify previously certified waste and ensure the certification is still effective or shall certify to meet the most recent WIPP WAC requirements. The Contractor shall utilize the services of the NTP at CBFO contractor to develop RH-TRU waste certification data packages and assemble the loads. The Contractor shall support the development of the waste certification data packages to show compliance with the WIPP WAC, support the defense of the data packages, and support negotiations with the State of New Mexico and the Environmental Protection Agency.

The Contractor shall perform characterization to support the NTP at CBFO contractor program as needed for storage, treatment, certification, transportation, and disposal of RH-TRU waste. Characterization may include, but is not limited to, radiological or radiographical examination, visual examination, dose-to-curie, and/or flammability analysis, wattage determinations, reviewing characterization and treatment data to ensure the waste meets all disposal requirements, or any other methodology acceptable to DOE.

#### ***C.5.3.02 RH-TRU Treatment***

The Contractor shall treat all waste for disposal and certify that the waste has been treated to applicable requirements, including the most recent WAC of the treatment/disposal facility. Waste that is demonstrated through assay or dose-to-curie to contain a concentration of greater than or equal to 100 nCi/g of transuranic isotopes shall be treated to meet the requirements of the WIPP WAC. Waste that is demonstrated through assay or dose-to-curie to contain a concentration of less than 100 nCi/g of transuranic isotopes shall meet the requirements of the appropriate disposal facility's WAC.

Existing treatment processes include, but are not limited to: repackaging, size reduction, removal of WIPP prohibited waste characteristics (e.g. Sodium), and opening and sorting waste in order to address prohibited conditions that prevent disposal of the subject waste. These processes are currently performed in CPP-666 and CPP-659 at INTEC.



### ***C.5.3.03 RH-TRU Storage and Movement***

The Contractor shall store all waste in a safe and compliant manner until the waste is disposed off-Site or transferred for shipment to WIPP. Waste may be transferred within the INTEC footprint without complete characterization or DOT compliant packaging. Waste transfers between RWMC or MFC and INTEC shall be performed under the Contractor's DOE approved transport plan based on the safety basis requirements for on-Site transfers in accordance with 10 CFR 830, *Nuclear Safety Management* and in coordination with the INL contractor.

### ***C.5.3.04 RH-TRU Packaging and Transportation***

The NTP at CBFO conducts oversight and has authority as the Certified Packaging and Transport Program for assembly and certification of payloads and shipments to the WIPP. The Contractor shall utilize payload configurations that maximize the WIPP disposal capability, as determined by the NTP at CBFO. The Contractor shall follow DOE policy for efficient use of TRU waste transportation resources which requires shipping Sites to ship the maximum number of loaded packages (e.g., fully-loaded RH-72Bs) per shipment with minimal dunnage containers and the maximum amount of waste. All over-packed (e.g. shielded container assemblies) shipping configurations require specific advance approval from the National TRU Program at CBFO.

The Contractor shall follow NTP at CBFO requirements specified in the WIPP WAC. Such measures shall include but are not limited to utilizing payload configurations and waste packaging that minimizes dunnage and maximizes shipping and disposal efficiency, including use of shielded over-pack containers.

The Contractor shall utilize transport containers provided by WIPP. Transport of TRU waste to WIPP is a Government Furnished Service that is provided by CBFO. Costs for transportation of TRU waste to WIPP that are associated with RH-72B casks, other approved NRC licensed containers, trailers, tractors, drivers, and disposal at WIPP are borne by CBFO, with the exception of consumables (e.g., removable lid canisters, shielded container assemblies).

### ***C.5.3.05 RH Waste LOT 11***

The Contractor shall retrieve, process, treat, characterize, and dispose of the waste identified as Lot 11 (Legacy RH-M/LLW). Although most of Lot 11 can only be treated in CPP-666 due to container size and Rad fields greater than 50 R/hr at 30 cm, some of the population may be treated in CPP-659 after sizing or by an approved thermal treatment process.

This scope involves the treatment and repackaging of waste that contains sodium, NaK, and/or RCRA metals. The reactive nature of this waste requires segregation and management to prevent its unintended contact with water or other materials that may cause a reaction. Activities such as hot cell cleanouts may be required prior to introduction of other waste streams into treatment areas that have processed active waste. This waste shall be retrieved from below



ground storage at the Radioactive Scrap and Waste Facility (RSWF) at MFC, or above ground as made available by the INL contractor and transferred to INTEC by the Contractor or the INL contractor for treatment. The storage configuration at RSWF is vertical pipes placed below grade and retrieval may require excavation of the pipes.

#### **C.5.4 Naval Nuclear Propulsion Program (NNPP) Pieces, Parts, and Fines (PPF) (NNPP FUNDED)**

The Contractor shall dispose of the Naval Nuclear Propulsion Program (NNPP) waste located at the INTEC or Naval Reactors Facility (NRF). The Contractor shall characterize, package and ship this waste off Site for disposal. The Contractor shall inform DOE of material that does not meet the WIPP WAC.

Security clearances shall be required for all staff that will view the contents of the NNPP containers or have access to the classified information associated with their contents. A secure conference room with electronic communications equipment is located in CPP-666. The Contractor shall maintain the secure conference room and electronic communications equipment located in CPP-666 for use by NNPP staff. This room can be shared with staff associated with the SNF Transfer Program.

##### ***C.5.4.01 Naval Nuclear Propulsion Program (NNPP) RH-TRU Characterization and Certification***

The Contractor shall characterize NNPP Pieces, Parts, and Fines (PPF) in accordance with Section C.5.3.01 *RH-TRU Characterization and Certification*. Waste characterization and certification will be performed under the certification authority of the CCP for disposal at WIPP. The Contractor shall develop Acceptable Knowledge (AK) summary reports to be used in the certification process to ship all waste out of the state of Idaho.

##### ***C.5.4.02 Naval Nuclear Propulsion Program (NNPP) RH-TRU Storage and Movement***

The Contractor shall perform storage and movement of NNPP PPF in a safe and compliant manner until the waste is disposed off-Site or transferred for shipment to WIPP. Waste may be transferred within the INTEC footprint without characterization or DOT compliant packaging.

##### ***C.5.4.03 Naval Nuclear Propulsion Program (NNPP) RH-TRU Packaging and Transportation***

The Contractor shall perform packaging and transportation of NNPP PPF in accordance with Section C.5.3.04 *RH-TRU Packaging and Transportation* and shall be shipped out of the state of Idaho for disposal. Any waste that cannot be disposed at WIPP shall be packaged in a manner that allows for disposal in another TSDF or returned to the NRF.

## **C.5.5 CH M/LLW Disposition**

### ***C.5.5.01 Waste Generator Services***

The Contractor shall manage a waste generator services program that encompasses hazardous and M/LLW waste. This management starts with pre-generation planning through shipment to off-Site or on-Site disposal. The Contractor shall ensure that all wastes are properly characterized and maintained in safe, compliant storage until properly disposed of or shipped off-Site. The Contractor shall establish management controls to allow timely and efficient verification by DOE of waste volumes generated, treated, certified, packaged, loaded, and shipped off-Site. The Contractor shall safely manage and dispose of waste, generated by or discovered during on-Site EM cleanup activities, at an appropriate disposal facility. The Contractor shall establish or maintain the generator certifications with off-Site disposal facilities (e.g. Energy Solutions, Waste Control Specialists, etc.) necessary to implement the PWS. Should another contractor require ICP Waste Generator Services, then the Interface Agreement between the two contractors shall define how waste treatment and disposal services will be provided and reimbursed.

Packaging, transporting, and disposing of non-TRU waste for treatment and/or disposal facilities shall be the responsibility of the Contractor. There is currently no on-Site disposal facility for non-CERCLA M/LLW. The Contractor shall package waste to meet applicable regulatory and treatment/disposal requirements and shall comply with the applicable WAC for treatment and disposal facilities. The Contractor shall be responsible for providing shipping containers for non-TRU waste and ensuring all applicable shipments meet DOT requirements. The Contractor shall provide transportation coordination related to the scheduling, inspection, notification, tracking, and reporting of non-TRU waste shipments. The Contractor shall assume responsibility for the shipping certification granted by the DOE Nevada National Security Site (NNSS) in order to dispose of non-TRU waste at NNSS. This certification shall be maintained throughout the contract.

The Contractor shall treat, as necessary, and dispose of process-generated waste and other wastes in accordance with time-frames specified in the Site Treatment Plan or any other relevant regulations or regulatory requirements. Process-generated waste is newly generated waste as a result of waste processing, maintenance operations, or equipment change out. Examples of process-generated wastes include, but are not limited to, shredder boxes, empty cargo containers, cleaning solvents used during maintenance, rags, contaminated clothing, and failed equipment parts. All process generated waste created during the execution of this contract shall be dispositioned.

The Contractor's Waste Generator Services shall include the following:

1. Management and operations of the Integrated Waste Tracking System (IWTS) and the Waste Tracking System (WTS) at AMWTP.
2. Interface with the Waste Data System (WDS) controlled by the NTP at CBFO.

#### ***C.5.5.02 Special Requirements Wastes***

During the course of normal operations, the Contractor may encounter waste that has special handling requirements. These wastes include, but are not limited to: non-defense TRU waste, mercury contaminate granulated activated carbon (GAC), high fissile gram equivalent (FGE) TRU waste, oversized and overweight containers and items, greater than class C (GTCC)-like waste, and TRU waste from other DOE Sites. The Contractor shall manage this waste in accordance with all applicable laws and regulations.

The Contractor shall manage this waste in accordance with all applicable laws and regulations until such a time as an operating facility becomes available.

#### ***C.5.5.03 Legacy Excess Radioactive/Hazardous Materials***

The Contractor shall process and disposition Legacy Excess Radioactive/Hazardous Materials (excluding depleted uranium ingots) and the entire Sodium Component Maintenance Shop (SCMS) Backlog.

#### **C.5.6 RCRA Closure of RWMC Facilities**

The Contractor shall perform RCRA closure of RWMC facilities as their missions conclude. This includes finalizing existing preliminary closure plans per the RCRA permit, and then executing RCRA closure in accordance with the finalized plans.

#### **C.6.0 LIQUID WASTE FACILITY CLOSURE**

##### **C.6.1 Integrated Waste Treatment Unit (IWTU) Operations**

The Contractor shall continue to operate and maintain the IWTU facility until treatment is complete on all Sodium Bearing Waste (SBW) in the four INTEC Tanks WM-187, WM-188, WM-189, and WM-190, estimated 900,000 gallons of SBW, and store the granular waste product in the IWTU storage area. (Note: Tank WM-190 is an empty tank that was constructed in the event one of the other tanks leaked. The remaining three tanks have liquid waste in them, but all four tanks shall be RCRA closed.)

##### **C.6.2 Calcine Retrieval Demonstration and Disposition Project**

The Contractor shall complete the Calcine Retrieval Demonstration Project upon direction from the DOE CO.

The Contractor shall implement the 2015 Calcine Disposition Project (CDP) Analysis of Alternative Recommendations to re-evaluate direct disposal of calcine as the preferred disposition path for calcine.

The Contractor shall develop a long-term strategy for calcine waste disposition. IWTU facility modifications may be implemented to support calcine disposition upon direction of the DOE CO. These modifications may be dependent upon the calcine disposition path forward (future treatment versus direct disposal).

### **C.6.3 Liquid Waste Facility Closure**

The Contractor shall continue the maintenance of the INTEC Liquid Waste Management Facilities at the same level conducted at contract takeover. This includes providing the same level of support for the INTEC Liquid Waste Management System (ILWMS) Closure.

The Contractor shall complete closure of the remaining four 300,000 gallon tanks (Tanks WM-187, WM-188, WM-189, and WM-190; including the tank vaults, cooling coils, valve boxes, and ancillary piping) of the INTEC Tank Farm Facility in accordance with the RCRA Closure Plan (DOE/ID-11273, "Idaho Hazardous Waste Management Act/Resource Conservation and Recovery Act Closure Plan for Idaho Nuclear Technology and Engineering Center Tanks WM-187, WM-188, WM-189, and WM-190, and all Remaining Tank Farm Facility Resource Conservation and Recovery Act Piping", October 2012). The scope includes modifying the RCRA Closure Plan if needed and then completing closure according to the finalized plan. The Contractor shall submit the Professional Engineer's Certification to the state of Idaho in accordance with the finalized RCRA Closure Plan. See the Idaho Department of Environmental Quality (DEQ) website for the text of all the RCRA and air permits, <http://www.deq.idaho.gov/permitting/issued-permits.aspx>.

The Contractor shall complete RCRA Closure of the INTEC Liquid Waste Management System. This includes modifying, if necessary, and finalizing the draft DOE/ID-11460 HWMA/RCRA Closure Plan for the INTEC Liquid Waste Management System – Process Equipment Waste Evaporator (PEWE) and Liquid Effluent Treatment and Disposal (LET&D) Systems, March 2012, and then completing closure according to the finalized plan and schedule.

The Contractor shall complete RCRA Closure of the INTEC New Waste Calcining Facility except for those areas required for RH-TRU packaging and the calcine contaminated transport air lines. This includes modifying, if necessary, and finalizing the draft DOE/ID-11477 HWMA/RCRA Closure Plan for the INTEC New Waste Calcining Facility (CPP-659), September 2012, and then completing closure according to the finalized plan and schedule.

The Contractor shall operate the IWTU as needed to process waste generated during the INTEC Tank Farm Closure.

The Contractor may also use the IWTU to process waste generated from the RCRA Closure of the INTEC Liquid Waste Management System, and from the RCRA Closure of the INTEC New Waste Calcining Facility if required by its technical approach. If the Contractor determines it

will use IWTU to treat this waste, then the Contractor shall plan for extending the current steam reforming license to cover this waste.

The Contractor shall complete RCRA Closure of the IWTU main processing building and then transition the facility to a safe shutdown condition of the process. This includes flushing the system to the extent practicable and downgrading the treatment facility to less than Hazard Category 3. The Contractor shall maintain the infrastructure to support the safe and compliant storage of treated Sodium-Bearing Waste (SBW) in the product storage building.

### **C.7.0 SPENT NUCLEAR FUEL (SNF) MANAGEMENT**

EM manages the SNF Program principally at the INTEC within the INL which requires compliance with the terms and requirements of the 1995 ISA and the 1996 Colorado Agreement. To date, all the SNF milestones under the ISA have been met on time. Two milestones remain. They are:

- Removal of all SNF from wet storage by December 31, 2023, and
- Removal of all SNF from the state of Idaho by January 1, 2035.

The Colorado Agreement has one milestone:

- Removal of SNF from a single facility located within the state of Colorado by January 1, 2035.

### **C.7.1 Defense EM-Funded SNF Activities**

#### ***C.7.1.01 Surveillance and Maintenance (S&M) of Materials and Facilities***

Under defense-funded activities, EM manages the following SNF facilities at INTEC: CPP-666, CPP-603, CPP-749 and CPP-2707 and related ancillary facilities. The subject facilities are described below.

The Contractor shall maintain the SNF and its associated records, and operate and maintain the SNF storage facilities in accordance with the prescribed safety basis and DOE Orders. The Contractor shall perform routine operations, including inspections and sampling as prescribed in associated safety documentation.

**CPP-666**, the Fluorinel Dissolution Process and Fuel Storage (FAST) facility was built for the cooling and wet storage of SNF prior to reprocessing. The FAST facility consists of the Fuel Storage Area (FSA) and the Fluorinel Dissolution Process Area (FDPA). The FSA is the subject area for the wet storage of SNF. The FSA consists of several major functional areas designed to manage fuel receipts in large transfer casks and subsequent handling of SNF for storage. The functional areas include a truck unloading area, two unloading pools, and six underwater storage pools. There are two spent fuel types remaining in the facility (EBR-II driver SNF and ATR SNF), each to be removed to dry storage in its own campaign. The facility, as currently

configured, contains 3,788 ports. The facility's inventory will be addressed in each individual Task Order. Upon completion of the SNF mission at CPP-666, the FDPA will continue in service for RH-LLW Lot 11.

**CPP-603**, the Wet & Dry Fuel Storage Facility, was also built for cooling and wet storage of SNF prior to reprocessing and is comprised of two major functional areas: the wet and dry fuel storage areas. Supporting those functions are cranes, two cask loading and unloading areas, and truck loading and unloading bays. The wet side, the Basin Facility, comprised of three pools, is now closed. The dry side, the Irradiated Fuel Storage Facility (IFSF), remains in operation and dry stores the largest inventory of SNF of the facilities discussed. There are 636 storage positions (ports) in CPP-603. The facility's inventory will be addressed in each individual Task Order.

**CPP-749 and CPP-2707** have been combined and are called the Outdoor Fuel Storage Facility (OFSF). The OFSF consists of two areas, (1) CPP-749 - the underground fuel storage or vault area of the facility where fuel is stored in underground storage vaults and (2) CPP-2707 - a concrete pad on which fuel-loaded casks are stored. In addition to these two defined areas, there are three Advanced Test Reactor (ATR) Complex casks containing small amounts of fuel located within the CPP-749 area and one Fissile Mass Limited Area (FMLA) located in a cargo container within CPP-2707. The outdoor fuel storage facility originally consisted of only the underground portion, CPP-749; the concrete pad was incorporated into the entity now called the OFSF. The overall facility was previously known as the CPP-749 Underground Fuel Storage Facility (UGFSF) and the UGFSF designator is still in use in source documentation.

#### ***C.7.1.02 Foreign and Domestic SNF Receipts Program.***

The Contractor shall maintain the capability to receive and off-load Foreign and Domestic Research Reactor (FRR/DRR) Program SNF for dry storage in CPP-603. At this time, receipt of this type of fuel is prohibited until progress is made in waste treatment at the IWTU.

The Contractor shall inspect the SNF at the generating reactor, perform criticality and thermal analyses to determine transport and storage configurations, and maintain the security chain of custody from the placement of the SNF in a Contractor provided basket. Therefore, travel to generating reactors for SNF inspection and Contractor presence during loading for transport is required. The transport of SNF from the generating reactor to INTEC is not a Contractor function for DRR or FRR SNF. The Contractor shall maintain the equipment used to perform inspections and shall ensure compliance with CPP-603 documented safety analysis during the term of the contract. The Contractor shall procure baskets, basket lids, spacers, and storage canisters and lids as needed to place the fuel into dry storage at INTEC.



### ***C.7.1.03 SNF Projects***

#### **C.7.1.03.01 Empty CPP-666 Project**

The Contractor shall complete transferring all remaining SNF from wet storage in CPP-666 to dry storage in other locations. This is an ongoing project. The Contractor shall perform any necessary maintenance and repairs to the equipment (e.g., crane(s), tractors, transportation equipment, shield doors, casks, etc.), and any necessary facility modifications to accomplish this scope of work.

#### ***C.7.1.03.01.01 ATR SNF***

The Contractor shall complete transferring all remaining ATR SNF elements from wet storage in CPP-666 into dry storage in CPP-603. The processes and procedures have been prepared and necessary tools and equipment appropriated or devised. The transfers utilize two high-load chargers (HLC) and two straddle carriers. A shipment is comprised of sending a HLC in a straddle carrier containing eight ATR elements. A transfer comprises two shipments with two HLCs containing a total of 16 ATR elements. This is required for managing the preparatory stage at CPP-603, drying the SNF, prior to canisterization and storage.

#### ***C.7.1.03.01.02 EBR-II SNF***

The Contractor shall complete transferring all remaining EBR II driver SNF elements from wet storage at CPP-666 to the Materials and Fuels Complex (MFC) within the INL. The processes and procedures have been prepared and necessary tools and equipment have been designed or devised. Phase 2 canisters must be fabricated, and some liners remediated/replaced. The Contractor shall conform to restrictions on shipping and storage as defined by the INL contractor. The Contractor shall establish an Interface Agreement with the INL contractor. To remain flexible, this subproject will allow for execution to place EBR-II SNF at two alternative locations.

Alternative 1 – Transfer to MFC-765. The Contractor shall retrieve, load and ship EBR-II SNF for treatment by the INL contractor at the Fuel Conditioning Facility (FCF), MFC-765, at a rate commensurate with the treatment processing schedule set by the INL contractor. A transfer is comprised of two cans, each containing eight bottles of SNF loaded into an HFEF-6 cask provided by the INL contractor. The bottles are removed from the wet storage basket and placed into the cans for transportation.

Alternative 2 – Transfer to MFC-771. The Contractor shall retrieve, load and ship all remaining EBR-II SNF for storage at the Radioactive Scrap and Waste Facility (RSWF), MFC-771, at a rate sufficient to meet the ISA milestone by December 31, 2023. A transfer is comprised of two cans, each containing eight bottles of SNF loaded into a transfer package. The transfer package consists of a transfer/storage canister within an overpack to ensure a clean package. Two wet storage baskets are taken from the basin, as is, and placed into the



canister nested within the overpack. The canister and overpack is then placed within a HFEF-14 cask provided by the INL contractor. Closure of the liner is required. Closure includes placement of a shield plug and a lid which is then welded to the liner.

While the Contractor shall have access to the RSWF, the Contractor shall not manage the nor be responsible for its safety basis documents and RCRA permit. Inspection and modification of a liner may be required. The Contractor shall provide all materials and equipment necessary to support this activity including the complete fuel storage package (fuel cans, canisters, and lids) and liner closure package (shield plug and lid).

#### **C.7.1.03.02 Complete the Peach Bottom SNF Transfer Project**

The Contractor shall complete transfer of all remaining Peach Bottom (PB) SNF within CPP-749 from 1<sup>st</sup> generation to 2<sup>nd</sup> generation vaults. This is an ongoing project. The subject fuel is aluminum clad and packaged in an aluminum can, and placed in an aluminum basket, up to 19 at a time within each vault. There is PB SNF in 40 vaults. The 1<sup>st</sup> generation vaults of CPP-749 are subject to water intrusion either from condensation or seepage. As a result, aluminum oxidation has occurred, increasing hydrogen concentrations to levels of concern (up to 4%). In addition, inspections show visible corrosion of the cans and the basket, and modeling predicts potential failure of the basket during retrieval operations. As a result, all 40 PB vaults will be retrieved from the 1<sup>st</sup> generation vaults for transfer to the more robust 2<sup>nd</sup> generation vaults. When justified by inspection, the cans will be placed into a new basket. Transfer to CPP-603 for repackaging may be required.

Twelve (12) higher risk vaults have been identified among the 40 PB vaults for which an engineered recovery tool is required for the safe retrieval of the basket. The Contractor shall perform any necessary maintenance and repairs to the equipment and any necessary facility modifications to accomplish this scope of work. The Contractor shall provide all materials and equipment necessary to support this activity.

#### **C.7.1.03.03 NuPac 125-B Cask Transfer Project**

The Contractor shall transfer two NuPac 125-B casks stored in the cask receiving area of CPP-666 to the CPP-603 truck bay. The Contractor shall perform any necessary maintenance and repairs to the equipment and any necessary facility modifications to accomplish this scope of work. The Contractor shall provide all materials and equipment necessary to support this activity.

#### **C.7.1.03.04 Dispositioning of the Unirradiated Light Water Breeder Reactor U-233 Seed Module Project**

The Contractor shall complete the necessary planning and dispositioning the unirradiated Light Water Breeder Reactor (LWBR) seed module assembly. The seed module assembly is located in CPP-749 facility.

In April of 2007, after concluding that there was no need for use of the subject SNM, DOE devised a strategy for declaring it waste and proceeding with disposal.<sup>1</sup> The inventory of interest included 40 canisters of fuel and blanket rods and one seed module assembly. The SNM were stored in underground vaults within the CPP-749 facility. In April of 2008, dispositioning of the 40 canisters as low-level waste at the then Nevada Test Site (NTS) now Nevada National Security Site (NNSS) was completed in accordance with this plan.<sup>2</sup>

The project was suspended, however, prior to dispositioning of the seed module assembly.

#### **C.7.1.03.05 SNF Road Ready Demonstration Project**

The Contractor shall continue to support the Road Ready Demonstration Project. The demonstration consists of loading and storage of select SNF into a multi-purpose canister (commonly known as the DOE Standard Canisters (SC)) and placement into dry storage.

The Contractor shall perform any necessary maintenance and repairs to the equipment (e.g., crane(s), shield doors, casks, etc.) and any necessary facility modifications to accomplish this scope of work. The Contractor shall provide all materials and equipment necessary to support this activity.

#### **C.7.1.03.06 Idaho SNF Packaging Facility**

The Contractor shall support the Idaho SNF packaging facility to be provided at completion of the Analysis of Alternatives per DOE specifications.

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<sup>1</sup> MATERIALS DISPOSITION PLAN - Volume I, Determination of a General Path for the Disposition of EM-Managed U-233 Containing Materials Located at the Idaho National Laboratory, DOE/ID-11329, April 2007.

<sup>2</sup> Disposition Strategies for EM-Owned Special Nuclear Material at the Idaho National Laboratory - Completion Report, PLN-1249, Rev 7, 3/31/2009.

### ***C.7.1.04 SNF Programmatic Analysis***

#### **C.7.1.04.01 SNF Inventory Analysis**

A preliminary evaluation of the EM-managed materials within the SNF inventory reveals that as many as 25 fuel types (39.8 MTHM), or 15% of the inventory, may be mischaracterized as SNF.

The Contractor shall evaluate the inventory of INTEC SNF and its known characteristics against the definition of SNF contained within DOE Manual 435.1-1 *Radioactive Waste Management Manual*.

SPENT NUCLEAR FUEL. Fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing. Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this Order when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material. [Adapted from: DOE Order 5820.2, *Radioactive Waste Management*]

Fuels not meeting that definition may qualify as a waste type defined within the associated DOE Order and will be handled under Section C.5. The Contractor shall develop disposition strategies commensurate with the potential waste determination.

#### **C.7.1.04.02 Analysis of Fermi Blanket SNF**

Fourteen (14) stainless steel storage canisters containing 34.2 MTHM of Fermi-1 blanket SNF are stored in the 1<sup>st</sup> generation storage vaults of CPP-749.

Because of the limited irradiation history of the Fermi-1 blanket SNF, the disposal options differ for Fermi-1 blanket SNF than the pyroprocessing proposed for other sodium-bonded fuels. The *ROD for the Treatment and Management of Sodium-Bonded Spent Nuclear Fuel* directed further studies to be conducted for a means to remove or pacify sodium contained in the Fermi-1 blanket fuel. This was based on the waste acceptance requirement for the Yucca Mountain repository, which precludes acceptance of metallic sodium, a RCRA characteristic hazardous waste designated as reactivity (D003), as defined in 40 CFR Part 261 subpart C.

The Contractor shall evaluate options for the management/disposition of the Fermi-1 blanket material as waste rather than SNF.

#### **C.7.1.04.03 Analysis of Epoxied SNF**

The INTEC inventory contains approximately 0.5 MTHM of epoxied SNF.

The Contractor shall evaluate options for the management/treatment of epoxied SNF to permit dispositioning in the repository.

#### **C.7.1.04.04 Analysis of SNF Poison Materials and Techniques**

Prior to final packaging for repository disposal, it is likely that a major percentage of the INTEC SNF inventory will require poisoning. No progress has been made on this topic since the National Spent Nuclear Fuel Program (NSNFP) was disbanded.

The Contractor shall evaluate options for the poisoning of SNF to permit dispositioning in the repository. Options shall include neutron absorber additives (pourable and otherwise) and structures (baskets, cans, and, inserts).

### **C.7.2 Non-Defense EM-Funded SNF Activities**

#### ***C.7.2.01 Management of NRC-Licensed SNF Storage Facilities***

Under non-defense funded activities, EM manages SNF within two SNF facilities. The facilities are known as the NRC Licensed Facilities (NLF) Independent Spent Fuel Storage Installations (ISFSIs). They are:

- The Three Mile Island Unit 2 (TMI-2) ISFSI, CPP-1774, located at INTEC; and
- The FSV ISFSI near Platteville, CO.

The Contractor shall maintain the SNF and its associated records, and operate and maintain the two SNF storage facilities in accordance with the NRC license. This includes S&M adequate to perform all scope described herein.

The Contractor shall operate and maintain the facilities in accordance with Section J, Attachment J-3, *Requirements Sources and Implementing Documents*, and the NRC licensing documents. For both ISFSIs, NRC licensing documents shall apply and have precedence over DOE Orders, Requirements and Guidelines. In areas not addressed by the NRC licensing documents, the DOE Orders, Requirements and Guidelines shall prevail.

The Contractor shall generate, store, and handle classified materials associated with the facilities and shall be responsible for the performance of document classification and declassification, in accordance with NRC Classification Bulletin and NRC license requirements. The Contractor shall notify the DOE facility director and DOE Security Specialist or NRC Licensed Facility (NLF) ODFSA of any security related incidents. The DOE will be responsible for reporting any security incident to the NRC and for performing security investigations, as needed. Only the Facility Director, or Licensee, may make notification to the NRC.

### **C.7.2.01.01 Fort St. Vrain (FSV) ISFSI**

FSV is located on the high plains in Weld County Colorado, 35 miles north of Denver, CO, and 3.5 miles northwest of Platteville, CO. The facility is located between the South Platte River and St. Vrain Creek. The facility has a Modular Vault Dry Store (MVDS) design and stores SNF removed from the collocated High Temperature Gas Cooled Reactor (HTGR) formerly managed by the Public Service Company of Colorado (PSCo). The reactor was permanently shut down in August 1989. The nuclear reactor was replaced by a gas fired power plant and has been sold to Excel Energy who continues to operate the power facility.

In order to complete this shutdown, PSCo applied to the NRC for a separate license to design, build and operate an ISFSI for storage of the subject SNF. PSCo began loading the ISFSI with FSV spent fuel on December 26, 1991. Loading of FSV spent fuel into the ISFSI was completed on June 10, 1992.

In December of 1995, the DOE notified the NRC of its intent to procure the ISFSI from PSCo, to take possession of the fuel stored in it, and to transfer the license to DOE. On February 9, 1996, DOE took possession of the FSV fuel stored in the ISFSI. PSCo managed the spent fuel in accordance with the license SNM-2504 until June 1999 when the license was transferred to DOE. DOE has since renewed the license for 20 years. A renewal to this license will be required prior to November 30, 2029.

The Contractor shall be responsible for all aspects of management of this facility in accordance with the NRC license and applicable DOE Orders. The Contractor shall manage operations, S&M, general infrastructure (including communications and IT infrastructure), and utilities. The Contractor shall provide administrative and engineering support to maintain the safety basis (e.g., the FSAR), security, and operational processes and procedures. The Contractor shall be responsible for the safe conduct of operations at the FSV facilities. The Contractor shall provide deliverables, as defined in the required procedures (see Section J, Attachment J-2, *Contract Deliverables*).

The Contractor shall generate, store, and handle classified materials associated with FSV at the Willow Creek Building in Idaho Falls and at FSV in Colorado, and shall be responsible for the performance of document classification and declassification, in accordance with NRC license requirements. The Contractor shall be responsible for establishing an Incident of Security Concerns (IOSC) program at FSV and performing security inquiries, utilizing DOE Order 470.4 as a guide. The IOSC program procedures will be reviewed by DOE, and DOE comments shall be addressed prior to implementation. The Contractor shall notify and provide final incident reports to the DOE facility director and DOE EM Security Specialist, NLF ODFSA, and security director of any security related incidents. The DOE will be responsible for reporting any security incident to the NRC, for performing security investigations, and for inputting the

security incident information and/or report into Safeguards and Security Information Management System (SSIMS), as needed.

The Contractor shall provide an Authorized Derivative Classifier(s) to perform Derivative Classification of documents.

At the FSV facility specifically, the Contractor, in conjunction with the FSV Physical Security Services contractor, shall provide Safeguard and Security (S&S) services in accordance with the NRC license requirements in Section C.9.2.02.02 *Safeguards and Security at FSV*. Physical security services will be provided by a separate, direct-to-DOE Physical Security Services contractor in accordance with the NRC license requirements.

#### **C.7.2.01.02 TMI-2 ISFSI**

TMI-2 is sited in a two-acre dedicated area within the boundaries of the INTEC. INTEC occupies about 275 acres of the south-central portion of the INL Site and is located 42 miles west of Idaho Falls. The INL Site has its own security police force, a fire department, medical staff, emergency response teams, and INTEC shift plant supervision. Thus, the INL Site infrastructure shall serve equivalent functions as independent local agencies (similar to local city or county) do for typical commercial licensed Sites.

The TMI-2 activities and facilities are licensed pursuant to the requirements of 10 CFR Part 72. The licensed activities include storage, surveillance, and maintenance activities within the ISFSI. The licensed facility includes the structures and equipment that comprise the TMI-2 ISFSI.

The TMI-2 ISFSI design is based on the NUHOMS®-24P system. The NUHOMS®-12T system has been adapted for TMI-2 canister use, and the system can accommodate the internal baskets designed specifically to hold TMI-2 canisters. Specifically, the NUHOMS®-12T Dry Shielded Canister (DSC) was modified to include venting of the DSC through High Efficiency Particulate Air (HEPA) grade filters during storage. The vent system allows for release of the hydrogen gas and allows for monitoring and/or purging of the system during operation.

DOE successfully renewed the license for 20 years with an expiration date of March 31, 2039. A renewal to this license will be required prior to this date.

The Contractor shall be responsible for all aspects of management of this on Site facility in accordance with the NRC license and applicable DOE Orders. This includes providing the personnel necessary for implementing and executing this subject scope.

The Contractor shall manage operations, S&M and all aspects of infrastructure. However, physical security, general infrastructure, and utilities will be provided by the INL contractor.

The Contractor shall provide administrative and engineering support to maintain the safety basis (e.g., the FSAR), security and operational processes and procedures. The Contractor shall be responsible for the safe conduct of operations at the ISFSI. The Contractor shall provide deliverables, as defined in the required procedures (see Section J, Attachment J-2, *Contract Deliverables*).

The Contractor shall include in the Interface Agreement with the INL contractor all physical security, facility access, and maintenance and operations for security systems associated with TMI-2 (including but not limited to PIDAS and external lights and security cameras). The Contractor shall be responsible for the oversight of the services provided, to ensure work performance and documentation by the INL contractor under the Interface Agreement is in compliance with the TMI-2 license.

#### ***C.7.2.02 Management of the ISFF License***

The Contractor shall maintain the ISFF ISFSI license SNM-2512 in accordance with NRC regulations. The Contractor shall provide support including, but not limited to, maintenance of license basis documents in accordance with STI-NLF-PM-029, Licensing Document Change Request and implementation of revisions, if required.

#### **C.7.3 Other DOE Organization-Funded SNF Activity**

The scope contained within this section has been developed to meet the needs of other DOE organizations, including but not limited to: Office of Nuclear Energy (NE), the Idaho Branch Office (IBO) of the Naval Nuclear Propulsion Program (NNPP), and the National Nuclear Security Administration (NNSA).

##### ***C.7.3.01 Advanced Test Reactor (ATR) SNF receipts***

NE generates ATR SNF at the rate of 70-100 elements per year. ATR is an aluminum-clad spent fuel. In addition to its waste management and Site cleanup mission, EM is the manager of legacy SNF as defined under the terms of the 1995 Idaho Settlement Agreement (ISA). Legacy SNF is that fuel in inventory at the INL at the time of the 1995 ISA.

The Contractor shall receive annual shipments of ATR SNF for storage in CPP-603 until facility capacity is achieved.



### ***C.7.3.02 Training, Research, Isotopes, General Atomics (TRIGA) Fuel Mining***

Due to the unavailability of fresh TRIGA fuel from the licensed European vendor,<sup>3</sup> NE has entered into an agreement with EM to retrieve good quality, low burnup SNF from its inventory in CPP-603 and supply it to selected clientele of NE. The Contractor, within a schedule to be negotiated with the INL contractor, shall make shipments on annual basis to an NE client utilizing the appropriate cask provided by NE.

### ***C.7.3.03 Navy Nuclear Propulsion Program (NNPP) SNF***

This scope will be negotiated with the Nuclear Navy Propulsion Program (NNPP) located at the Pittsburgh Naval Reactors Idaho Branch Office as defined in the *Memorandum of Agreement for Naval Spent Fuel Transfer and Disposition*. This agreement defines the subject scope, cost and schedule.

The Contractor shall receive, unload and process NNPP SNF. After the SNF has been suitably prepared/sized, it shall be repackaged, loaded into a Large Cell Cask (LCC), and the LCC shall be placed on a trailer for return to NRF.

## **C.8.0 FACILITY DEMOLITION AND DISMANTLEMENT (D&D)**

Facility D&D scope includes the decontamination, decommissioning, and demolition of nuclear, radiological, and industrial buildings and structures located on the INL Site. Work may include the D&D of defueled nuclear reactor vessels, nuclear reactor containment buildings, support structures, and ancillary equipment; radioactive and hazardous waste storage, retrieval, exhumation, and processing facilities; chemical and radiochemical laboratories; and uncontaminated industrial and administrative facilities. D&D of contaminated facilities shall be completed as a CERCLA Non Time Critical Removal Action.

## **C.9.0 PROGRAM MANAGEMENT AND SUPPORT FUNCTIONS**

The Contractor shall establish program management, support and general infrastructure activities necessary to safely execute the PWS requirements. When more than one contractor works in a shared workplace, the Contractor shall coordinate with the other contractors to ensure roles, responsibilities, and worker safety and health provisions are clearly delineated. If a reportable incident related to another DOE prime contract (e.g. personnel injury, notice of violation, safety, security, quality, radiological) occurs while doing work at the INL Site or FSV, any such incidents will be reported in their respective statistics and will not contribute toward the Contractor statistics nor reflected in the CPARs system or Contractor performance as incentivized in Section B, *Performance Management Incentive*.

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<sup>3</sup> The vendor is TRIGA International, a joint venture between General Atomics and CERCA, a subsidiary of AREVA of France.

## **C.9.1 Information Management and Technology**

### ***C.9.1.01 Information Technology and Cyber Security***

The primary goal of this scope of work is to enable the successful execution of the Idaho Cleanup Project (ICP) mission and associated activities by providing effective, efficient, and innovative information management (IM) and information technology (IT) solutions, maintenance of ICP technical data in support of regulatory decision-making, and long-term stewardship. The Contractor shall manage and maintain secure automated information systems, network and server operations, desktop services, software application development and maintenance and other information technology (IT) support and infrastructure necessary for the ICP mission in accordance with National, Federal, Departmental, and program policies. This includes execution of a hardware and software lifecycle replacement/upgrade plan that ensures IT resources do not become outdated or unsupported across the ICP mission organizations throughout the contract period. The Contractor shall submit a property management system plan under I.180 Government Property.

The Contractor shall implement a Cyber Security Program that ensures adequate protection of DOE's ICP system operations, identifies threats and vulnerabilities, assesses overall risk to systems, provides incident response and system logging and mitigates those risks based on sound cyber security practices and the Risk Management Framework. The Cyber Security Program shall be developed in accordance with current applicable DOE Orders and guidance, National Institute of Standards and Technology (NIST) guidance, and other government regulations. The desired outcome is a program that assures no degradations of performance, disruptions or compromises, including impacts to end users across the INL Site by ensuring the confidentiality, integrity and availability of information system components and information based on current related federal laws, requirements, and agency policies. The Contractor shall ensure necessary Federal Information System Management Act (FISMA) systems achieve and maintain a full active Certification and Accreditation (C&A) to support an ongoing Authorization to Operate (ATO) for the life of the systems from the INL Site Authorizing Official (AO) pursuant to related regulations. Related program elements shall be implemented and approved via active coordination with the Authorizing Official Designated Representative (AODR). The contractor shall rely on related Federal Information Processing Standards (FIPS) and the appropriate National Institute of Standards and Technology (NIST) special publications and ensure they are adhered to as the leading technical requirements. This includes DOE related directives, regulations, policies, and standards found in Section J, Attachment J-3, *Requirements Sources and Implementing Documents*.

The contractor shall also support and implement applicable current initiatives by the Office of Management and Budget, the Cyber Security and Infrastructure Security Agency (CISA), and applicable Department of Homeland Security (DHS) directives. The Contractor shall implement applicable "binding operational directives" and "emergency directives," which require action on

the part of Federal agencies and their contractors to adhere to the Binding Operational Directives (BOD).

The Contractor shall execute this Contract in accordance with OMB Circulars A-11 & A-130, including associated memoranda. The Contractor shall also manage information management and cyber security in accordance with related laws, regulations, requirements, and standards (e.g., 10 Code of Federal Regulations (CFR) 1004 *et seq.*; 36 CFR Chap. XII Subchapter B *et seq.*; 41 CFR 102 *et seq.*; 6 United States Code (USC) 6 *et seq.*; 29 USC 16, Subchapter V, 794 (d) *et seq.*; 40 USC Subtitle III *et seq.*, related Executive Orders, OMB Circulars and Memorandums). The Contractor shall execute a Cyber Security Program that ensures no degradations of performance and no disruptions or compromises, including impacts to users, by ensuring the confidentiality, integrity, and availability of cyber security components and information. The Cyber Security Program scope includes protection for any and all Classified Cyber Security program systems and Unclassified Cyber Security environments founded on clear sound technical practices such as the NIST Special Publications. Further the Contractor shall:

- Provide a centralized Cyber Security Program, integrated with other INL Site capabilities in support of the ICP missions to include a contractor assurance system, which reports related critical metrics to DOE.
- Collaborate with DOE-HQ, EM Program Office, and the INL contractor to ensure compliance with DOE requirements is maintained and that DOE requirements are implemented consistent with the overall Cyber Security Program supporting the INL Site.
- Notify DOE Cyber Security Officials within 30 minutes of discovery of violations of the acceptable use policy on Government-owned systems. This includes providing a detailed, unredacted, and current accounting of the incident(s) or violation(s) to DOE Cyber Security Officials, including the AODR upon request.
- Collaborate and exchange information with the counterintelligence office as well as the integrated Joint Cybersecurity Coordination Center (iJC3) to facilitate a cooperative risk picture, including but not limited to cyber events, supply chain threats and incident reporting through resolution.
- Appoint an Information Systems Security Manager (ISSM) and subordinate Information Systems Security Officer (ISSO) to conduct the cyber security program.
- Coordinate cyber security matters with the DOE AODR as required and to facilitate resolution of security issues and incident reporting.
- Implement a robust Operational Technology (OT)/Industrial Control Systems (ICS) environment in accordance with NIST 800-82 Rev. 2 that will feed information into the Business Impact Analysis (BIA) process. The contractor shall extend and integrate IT practices, programs, procedures, and requirements (engineering, configuration management, governance, architecture, and cybersecurity) into its OT/ICS. Implement a sound Supply Chain risk management program for information systems based on NIST 800-161.

- Maintain a cyber security program continuous monitoring program to ensure the approved cyber security posture is maintained based on NIST 800-137 and 800-53.
- Maintain current security system plans and risk assessment documentation and provide DOE required system assessments based on NIST 800-53, 800-37 Rev. 2, and 800-30 Rev. 1.

The Contractor shall provide support for DOE IT Strategic Planning, Capital Planning & Investment Control, Enterprise Architecture, and other IT activities required for the Contractor's operation. This includes the Contractor performing and documenting its IT strategic and enterprise architecture plans, portfolio planning and investment control, and management and tracking of IT/Cyber budgets. Capital Planning support personnel shall have a good working knowledge of Office of Management and Budget (OMB) requirements and best practices for IT Investment Reporting, Application Portfolio Management, Governance (specifying the decision rights and accountability framework to encourage desirable behavior in the use of IT), and Project Management. The Contractor shall perform, at a minimum, the following tasks associated with IT Capital Planning:

- Support the management of information, IT assets and IT investments, including OMB Capital Planning and Investment Control Exhibit investments and reports. These reports are generated monthly, annually, and/or during the OMB Passback, and involves analyzing, collating, and reporting detailed information on the utilization of IT resources (e.g., applications, hardware, software, and labor).
- Coordinate with DOE to facilitate the timely and accurate submission of applicable Capital Planning and Investment Control Exhibits for IT investments in OMB A-11 for monthly and annual reports and data calls.
- Provide analysis and reporting of cost and risk reduction activities (including creating and maintaining guidance) to improve investment performance.
- Provide IT portfolio management support by evaluating and monitoring the portfolio on a continuous basis.
- Support ad hoc portfolio requests in the electronic (FOLIO) system for portfolio analysis and other ad hoc reporting requests.
- Support the information gathering and reporting for data calls in a timely and accurate manner and within the due date specified by the requesting organization.
- Support the Application Portfolio Management process by evaluating the portfolio to increase its efficiency and effectiveness to support stakeholder needs.

- Support the information gathering and reporting for Enterprise Architecture/Strategic Planning data calls from OMB, EM, or Office of the Chief Information Officer (OCIO) in a timely and accurate manner, within the due date specified by the requesting organization and through the local federal DOE-ID.
- Provide a report of accomplishments, activities, issues, and recommendations monthly, or as requested by DOE.

The Contractor shall ensure IT capabilities specifically for desktop services, server operations, network backbone, security appliances and related tools, remote connectivity, and wireless communications (cell, radio, etc.) are available to support the contract missions based on current best business practices to ensure appropriate capabilities are maintained and secured. This also includes necessary telecommunications management, security, planning and control in support of ICP missions.

The contractor shall conduct a robust BIA in order to assess and prioritize business applications and processes supporting information management; identify potential disruptions, legal and regulatory requirements; estimate maximum allowable downtime and acceptable losses; and estimate recovery time objectives to give managers strategic business insight to support decisions about each major program assessed through the BIA. This includes the following:

- Develop, review, and test (annually), a COOP and/or Disaster Recovery Plan based on the BIA. A report of the annual test of the COOP shall be submitted to DOE as requested.
- Develop and electronically publish publicly consumable IT program performance metrics comparable to the externally accessible performance metrics for review and concurrence by DOE for the purposes of transparency.

The Contractor shall establish necessary Memorandums of Understanding (MOUs) and Interconnection Security Agreements between the INL contractor, DOE-ID and DOE HQ for any necessary computing services. Parties will accept the responsibility for adhering to DOE Directives, National Policy and OMB guidance.

The Contractor shall provide DOE access to the Contractor's local systems, applications, and databases as necessary to support DOE's contractor oversight efforts.

#### **C.9.1.01.01 Additional Network Access Guidelines**

The Contractor shall provide network capability and may negotiate Network Access with the INL contractor for IT services if located within INL facilities or off-Site. If Contractor is located off-Site from the INL, the Contractor will incur installation and all related connectivity costs. If Contractor is on-Site, the INL contractor provides and maintains basic data service to the existing data jacks within the protected network based on the number and location of connections in service at the time of turnover in

accordance with negotiated or established rates. Costs associated with minor moves and relocations within existing ICP facilities may be provided by the INL contractor at established rates.

If the Contractor utilizes the INL Network, the Contractor shall comply with the INL cyber security requirements and processes. The INL contractor may provide some IT-related technical services and associated engineering with any potential negotiated costs to the Contractor. The Contractor shall reimburse the INL contractor for licensing and support costs as applicable via the necessary Interface Agreement. All Contractor equipment connected to the protected INL Intranet shall meet INL computer architecture requirements to ensure continued network integrity.

Services provided by DOE-HQ IT services, such as connectivity to DOENet supporting Entrust will be provided by the INL contractor. The Contractor shall reimburse the INL contractor via the necessary Interface Agreement.

#### **C.9.1.01.02 DMZ Computer Operations**

The INL contractor may provide logical “de-militarized zone” (DMZ) space. The Contractor shall follow cyber security rules and change control processes for systems residing in the DMZ as per the referenced requirements. The Contractor shall self-supply network servers or negotiate for services from the INL contractor. The Contractor shall self-supply business management, e-mail, and work control systems, as desired. The Contractor shall provide remote access to allow the Department of Energy access to information, within the scope of this contract, within the Contractor’s firewall.

#### ***C.9.1.02 Records Management and Document Control***

The Contractor shall manage and serve as the Record Custodian for all records (regardless of media) generated/received in the performance of the Contract and those from the NRC License Contractor 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. 36; 36 CFR Chapter XII, Subchapter B, *Records Management*; DOE Order 243.1, Records Management Program, applicable NRC requirements (NRC License Contractor records), any other DOE requirements as directed by the CO and an approved Records Management Plan or documented process (see Section J, Attachment J-2, *Contract Deliverables*). This scope also includes maintaining Vendor Data, Correspondence control, Scientific and Technical Information (STI), and Technical Library Subscriptions.

##### **C.9.1.02.01 Electronic Records (including emails)**

The Contractor shall develop and implement records management controls to ensure that the identification, maintenance and disposition of all records (regardless of media), including electronic email and records turned over by the NRC License contractor, are managed utilizing an Electronic Records Management System (ERMS) in accordance



with Federal and DOE requirements and guidelines for all records, including historical and subcontractor records.

The Contractor shall develop and implement a process to ensure electronic records submitted to Records Management have been scanned to meet National Archives and Records Administration (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 the NARA-approved DOE Records Control Schedules.

#### **C.9.1.02.02 Audiovisual Records**

The Contractor shall ensure the creation, maintenance, and storage of audiovisual records are in accordance with 36 CFR 1235.42, 36 CFR 1237, and up-to-date NARA requirements/guidance.

#### **C.9.1.02.03 Essential (formerly Vital Records Program) Records Program**

The Contractor shall develop and implement an essential records program and maintain an up-to-date essential records inventory in accordance with 36 CFR § 1223, Managing Vital Records, and DOE Order 243.1, Records Management Program.

#### **C.9.1.02.04 Records Ownership**

Except for those defined as Contractor-owned (in accordance with DEAR 970.5204-3, “Access to and Ownership of Records,” see Section I), all records (see 44 U.S.C. 3301, Definition of Records, for the statutory definition of a record) acquired or generated by the Contractor (and subcontractors) in the performance of this Contract including, but not limited to, records from a predecessor contractor (if applicable) and records described by the Contract as being maintained in Section H.24 *Privacy Act Systems of Records*, shall be the property of the Government.

#### **C.9.1.02.05 Creation/Receipt**

The Contractor shall develop and implement recordkeeping requirements that reflect adequate and proper documentation of all Contractor (and subcontractor) records generated/received (regardless of media) in the performance of the contract, as well as those created/received by the NRC License Contractor as required by Federal regulations found in 36 CFR, Chapter XII, Subchapter B, *Records Management*.

#### **C.9.1.02.06 Electronic Information Systems**

The Contractor shall manage records contained in electronic information systems by incorporating recordkeeping controls into the system or export the records into the ERMS in accordance with 36 CFR Part 1236, Electronic Records Management. The Contractor



must design and implement migration strategies to counteract hardware and software dependencies of electronic records whenever the records must be maintained and used beyond the life of the information system in which the records are originally created and captured. The Contractor shall provide a list of all Electronic Information Systems to DOE annually utilizing the format provided by DOE (see Section J, Attachment J-2, *Contract Deliverables*).

#### **C.9.1.02.07 Inventory and File Plan**

The Contractor shall develop and maintain up-to-date records inventories, file plans and systems that provide for the identification, location, arrangement, assignment of disposition authority and retrieval of all categories (record series) of records created and received in performance of this contract and those by the Contractor (see Section J, Attachment J-2, *Contract Deliverables*).

#### **C.9.1.02.08 Maintenance**

The Contractor shall ensure the proper arrangement, disposition authority assignment and maintenance/preservation of all records created and received in performance of this contract.

#### **C.9.1.02.09 Quality Assurance Records**

The Contractor shall ensure records identified as Quality Assurance records under American National Standards Institute (ANSI)/American Society of Mechanical Engineers (ASME) National Quality assurance (NQA)-1 are categorized (lifetime/non-permanent); managed in accordance with NQA-1 and 36 CFR Chapter XII, Subchapter B; and maintained for traceability to the applicable item, activity or facility.

#### **C.9.1.02.10 Privacy Act Records**

The Contractor shall ensure records that contain personal information retrieved by name, or another personal identifier, are maintained in Privacy Act Systems of Records, in accordance with FAR 52.224-2, Privacy Act, and DOE Order 206.1, *DOE Privacy Program*.

#### **C.9.1.02.11 Classified Records**

The Contractor shall protect and handle classified information and critical information in accordance with applicable laws, regulations, policies, and directives. Classified documents may be processed electronically so long as the computer systems meet all classified security requirements. Until the required computer systems are available to copy, log, process, transmit, and/or store classified documents, they shall be processed as hard copy. See Section C.9.2.02, *Safeguards and Security*.

#### **C.9.1.02.12 Records Requests**

The Contractor shall respond to National Archives and Records Administration (NARA) data calls and DOE requested information for the Freedom of Information Act (FOIA), the Privacy Act, the former worker medical screening program, the Chronic Beryllium Disease Prevention Program, congressional inquiries, legal discoveries and other record requests by completing the proper searches and providing responsive documents.

The Contractor shall respond to Energy Employee Occupational Compensation Act (EEOICPA) requests by performing the proper searches and providing responsive documents to the INL contractor within the required response times. The Contractor shall track the activities under EEOICPA and submit monthly financial reports to the INL contractor. The Contractor shall respond to any other inquiries and perform special projects as required by EEOICPA.

#### **C.9.1.02.13 Records Disposition**

The Contractor shall document its disposition process, which shall include processing of all the transfer of records to storage (e.g., on-Site, FRC, NARA) and the retention and destruction process for records and record information content. The Contractor shall disposition all records, including historical and those transferred from the NRC License Contractor, in accordance with NARA-approved DOE Records Disposition Control Schedules and applicable federal laws and regulations. Disposition activities include digitizing, maintenance, approval and disposal of temporary and permanent records into ERMS and transferring records to a Federal Records Center (FRC) or NARA. Disposition activities include scanning to electronic media (permanent records), transferring of paper records to a Federal Records Center (FRC), maintaining electronically in an ERMS and/or destroying once retention has been met and proper approvals obtained.

#### **C.9.1.02.14 Document Control**

The Contractor shall develop, implement and maintain sound document control systems and processes to ensure efficient tracking, retrieval, revision control and distribution of documents, including drawings.

#### **C.9.1.02.15 Records Storage Program**

The Contractor shall provide Physical Records Management at the INL Site Record Center (IF-663) for DOE-ID and DOE-ID contractors, which includes maintaining a compliant program and facility that meets applicable federal laws and regulations ensuring applicable storage, receipt, retrieval, dispositioning (including holds and destruction), reporting, transferring, and migration (for applicable media) of the federal records within the facility. This includes timely and compliant reviews of boxes

transferred into the facility; retrieval of records stored in the facility; reports of records which have met retention for destruction or transfer to a Federal Records Center or the National Archives and Records Administration.

NOTE: The upcoming changes from the NARA memo M-19-21 may affect the storage and management of the physical records. <https://www.whitehouse.gov/wp-content/uploads/2019/06/M-19-21.pdf>The Contractor shall operate and maintain electronic records storage.

## **C.9.2 General Management and Administration Services**

### ***C.9.2.01 Project Management/Support/Administration***

The Contractor shall perform Project Management support and administration in accordance with Section H.17 clause *Earned Value Management System*.

This scope shall also include the following internal Contractor activities as necessary to successfully execute the contract: Idaho Falls Office Space, Employee Concerns, Internal Audit, Communications, General Counsel/Legal, Project Planning and Integration, Project Controls, Project Management, Finance and Accounting, Payroll and Benefits, Human Resources, Procurement, Labor Relations, Subcontracting, Materials Receiving and Distribution, Liability Insurance Programs, insurance premiums, etc.

The following items C.9.1.2.01.01 through C.9.8 are necessary within the Project Management element of the Master IDIQ PWS.

#### **C.9.2.01.01 Project Support Performance Requirements**

The following sections define the programs that must exist to safely and effectively perform the cleanup mission at the ICP and related facilities. The requirements and associated implementing instructions established under these programs shall be applied to all work within the PWS.

#### **Project Management**

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.

The Contractor shall prepare and submit for DOE approval a Project Management Plan (PMP) consistent with the requirements in DOE Order 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.

The Contractor shall provide all management and technical information to:

- (1) Meet the requirements of DOE Order 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)~~ One Enterprise Management System (OEMS) and the Project Assessment and Reporting System (PARS-~~H~~). Data for all scope authorized by Task Orders, including operations activities and capital projects greater ~~less~~ than \$50M or prior to CD-2, shall be uploaded into PARS-~~H~~ 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.

All project management information developed under this Contract shall be accessible electronically by DOE. 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**

The Contractor shall provide an Earned Value Management System Description (EVMSD) that complies with the requirements of Section H.17 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 Order 413.3.

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.

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.

The Contractor shall comply with the requirements of the Section H.17 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.

The Contractor shall also flow down EVMS requirements in accordance with the Section H.17, DOE-H-2024, *Earned Value Management System*.

### **Performance Measurement Baseline**

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.

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:
  - a) Contract PWS and other sections that define work scope and requirements;
  - b) Waste Site and facility lists;
  - c) Approved interface agreements; and

- d) 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]).

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:
  - a) Estimating;
  - b) Scheduling;
  - c) Budgeting; and
  - d) 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 Order 413.3.

The schedule shall:

- (1) Include all significant external interfaces, regulatory and Defense Nuclear Facilities Safety Board 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 an earned value method at the activity level and be capable of summarizing from control accounts to higher WBS levels.
- (4) Include any additional working level schedules deemed necessary by the Contractor, integrated with the PMB, and be able to provide earned value reporting in compliance with EIA-748.
- (5) Include the PMB cost estimate with the project resource plans, detailed resource estimates, basis of estimates, budgetary requirements, and identification of direct costs, indirect costs, management reserve, and fee.
- (6) Include the method used to determine earned value for each control account.
- (7) Include an update to 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.

The PMB shall be accessible to DOE at any time through access to electronic software and native data files through the incumbent's Project Performance Analytics, Reports & Applications (PPARA) and 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**

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.51, *Task Ordering Procedure*. The Contractor shall also follow its EVMSD requirements for baseline change control processes.

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.

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).

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.

The Contractor shall prepare Fiscal Year Work Plans (FYWP) that include narrative descriptions of the upcoming fiscal year, monthly spend plans and monthly metrics expected to be achieved. These FYWPs shall be provided for DOE review for the upcoming fiscal year by September 30.

#### **C.9.2.01.02 Project Performance Reporting**

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. Performance reporting should be made available through the incumbent's PPARA system.

### **Monthly Performance Report**

The Contractor shall submit and transmit to DOE a Monthly Performance Report no later than the 15<sup>th</sup> of each calendar month representing the prior month's performance.

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.

The summary of overall contract performance shall include:

- (1) Key accomplishments
  - a) Major issues including actions required by the Contractor and DOE;
  - b) Analysis of funds expenditure, with projections for the Project by Fiscal Year and life of the Contract;
  - c) Technical scope, schedule, and cost variance analysis; including implications to near term and long-term milestones and deliverables at risk of being missed;
  - d) Discussion of corrective actions currently in place to address performance issues including initiation date of corrective actions; and
  - e) Information on any safety or quality matters that emerged or persisted during the reporting month.

Each of the major project reports shall include:

- (1) Project manager's narrative assessment including:
  - a) 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.52 clause entitled, *Subcontracted Work*;

- (3) Project Baseline Performance including:
  - a) EVMS information using the following Office of Management and Budget (OMB) Contract Performance Report formats (DID-MGMT-81466);
  - b) Format 1, DD Form 2734/1, Mar 05, Work Breakdown Structure;
  - c) Format 2, DD Form 2734/2, Mar 05, Organizational Categories;
  - d) Format 3, DD Form 2734/3, Mar 05, Baseline;
  - e) Format 4, DD Form 2734/4, Mar 05, Staffing; and
  - f) Format 5, DD Form 2734/5, Mar 05, Explanations and Problem Analysis.
- (4) The Monthly 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, DI-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 quarterly 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.

### **C.9.2.01.03 Cost Estimating**

Cost estimates shall be credible, well documented, accurate, and comprehensive.

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.16, *Cost Estimating* and Section H.51, *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.

### **C.9.2.01.04 Scheduling**

The Contractor shall support DOE in the development and maintenance of a DOE Integrated Master Plan (IMP) upon DOE HQ development of a standardized coding structure. The Contractors PMB and Integrated Master Schedule (IMS) shall utilize any DOE 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.

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.

### **C.9.2.01.05 Risk Management**

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.

The Contractor shall implement a risk management program in compliance with DOE Order 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 Guide 413.3-7, *Risk Management Guide*, and GAO-09-3SP in its risk management process.

The Contractor shall submit a Risk Management Plan (RMP) to DOE for approval. The capital asset projects do not need to have standalone risk management plans and instead, may be as 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.

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.

### ***C.9.2.02 Safeguards and Security***

#### **C.9.2.02.01 Safeguards and Security at the INL Site**

Safeguard and Security (S&S) Site services will be provided as a mandatory service by the INL contractor in accordance with Section J, Attachment J-4, *List of INL Mandatory and Optional Site Services* throughout the contract period of performance. The level of S&S services provided by the INL contractor at the INL Site will be consistent with the requirements approved by the Officially Designated Federal Security Authority (ODFSA) and in accordance with the INL Site Security Plan. The Contractor shall coordinate with the INL contractor to adopt and be in compliance with the INL Site Security Plan by the end of contract transition.

In conjunction with the S&S provided by the INL contractor, the Contractor shall establish a process to verify the resources, materials, and programs are provided at the appropriate levels of protection against unauthorized access, theft, diversion, loss of custody of accountable nuclear material, espionage, loss or theft of classified matter, loss or theft of Government property, and other hostile acts that may cause unacceptable adverse impacts on national security or the health and safety of DOE and Contractor employees, the public, or the environment. This applies to buildings and areas for which the Contractor is responsible.

The Contractor shall implement additional Safeguard and Security activities at the INL Site, which includes but is not limited to the following:

- (a) Program Management: The Contractor maintains personnel and resources for safeguards and security. The Contractor shall ensure its security assets and activities comply with the INL Site Security Plan.
- (b) Foreign National Visits/Assignments (through INL contractor system): Foreign National Visits/Assignments are initiated by the Contractor through the Foreign

Access Central Tracking System (IFACTS) database. The INL contractor provides foreign national visit and assignment security support to the Contractor.

- (c) Information Security Oversight: The Contractor shall ensure all documents are reviewed and approved for public release. The Contractor is responsible to ensure all internal documents are reviewed for classification as necessary. The INL contractor provides classification services to the Contractor.
- (d) Classified Matter Protection and Control (CMPC):
  - (1) The INL contractor provides CMPC training to the Contractor as required.
  - (2) The Contractor shall ensure that all personnel handling classified matter receive required training.
  - (3) The Contractor shall develop and implement appropriate systems for protection of classified matter.
- (e) Security Incidents/Inquiries: The Contractor shall conduct initial assessments of security incidents and make final determinations regarding security infractions to Contractor personnel. The INL contractor conducts all formal security incident inquiries and develops reports for submittal to DOE.
- (f) Physical Security: The Contractor shall ensure services provided by the INL contractor at the INL Site meet applicable DOE and NRC license requirements and inform both the INL contractor and the CO of changes in needed services and issues with the services provided.
- (g) Security Systems (locks-keys/alarms/access controls, classified storage areas, badge readers): The Contractor shall be responsible for all locks and keys. The Contractor shall be responsible for new alarms, cameras, and access control equipment for new projects. The INL contractor provides scheduled maintenance, alarm testing, and system upgrades.
- (h) Operations Security (OPSEC): The Contractor shall provide appropriate project personnel to support its own OPSEC program and participate as a member of the INL Site wide OPSEC working group. The Contractor shall conduct OPSEC reviews of projects and facilities as required by DOE orders referenced herein. The INL contractor manages the INL Site-wide OPSEC program.
- (i) Classification/Declassification/Unclassified Controlled Information: The Contractor shall nominate personnel and maintain Derivative Classifiers (DCs) as necessary to support operational programs in coordination with the INL classification office. The INL classification program provides training and classification services to the Contractor. The Contractor shall provide appropriate DCs for the NRC License requirements as necessary to support operational programs and responsible to the Classification Officer for the Idaho Environmental Management Nuclear Regulatory Commission Licensed Facilities.

- (j) Nuclear Material Control and Accountability (NMC&A): The Contractor shall maintain a Nuclear Material Representative (NMR) and appoint Material Balance Area Custodians (MBACs) as necessary. The INL contractor provides all necessary training to the Contractor MBACs, conducts nuclear material inventories, and maintains nuclear material inventory records of nuclear materials and core NMC&A project support.
- (k) Facility Data Approval Record & Contract Security Classification Specification (FDAR/CSCS): The Contractor shall perform all FDAR/CSCS requirements.
- (l) Foreign Ownership, Control, or Influence (FOCI) processing: The Contractor shall maintain compliance with all FOCI requirements as necessary.
- (m) Visitor Control/Vehicle Access: The Contractor shall utilize the INL Site-wide visitor access control process and comply with vehicle access controls. The INL contractor provides visitor controls services to the Contractor.
- (n) Personnel Security: The Contractor shall be responsible for pre-employment background investigation for all new hire and subcontractor personnel. Individuals that require a clearance are subject to an Office of Personnel Management (OPM) background investigation. The INL contractor provides personnel security services to the Contractor.

The Contractor shall promptly prepare and submit applications for security clearances, for adjudication by DOE-ID, to ensure adequate cleared personnel are available for the successful completion of all contract requirements.

- (o) Coordination and liaison with DOE security organizations and DOE contractor security organizations, including the protective force of the INL contractor: The Contractor shall coordinate security service requests with the INL contractor for the INL Site and shall ensure appropriate coordination and liaison with the DOE security organizations. The Contractor shall coordinate with the INL protective force for non-routine activities (e.g. security support for road outages, construction security escorts, on-Site transportation security escorts, involuntary separations, increased security checks, and other requests as deemed necessary by the Contractor).
- (p) Access Authorization and Badging: The Contractor shall be responsible for pre employment background investigation for all new hire and subcontractor personnel. Individuals that require a clearance are subject to an Office of Personnel Management (OPM) background investigation. The Contractor shall promptly prepare and submit applications for security clearances for adjudication to the DOE personnel security office identified by the DOE Licensee to ensure adequate cleared personnel are available for the successful completion of all contract requirements. The Contractor shall comply with DOE Order 206.2, Identity, Credential, and Access Management (ICAM). The Contractor shall coordinate with the INL contractor and/or other DOE office(s) as approved by the DOE Licensee to issue Homeland Security Presidential Directive (HSPD) 12 badge credentials for all qualified personnel assigned to FSV. This includes cleared and uncleared personnel,

and the implementation of the necessary capabilities to provide access to Federal facilities or systems.

#### **C.9.2.02.02 Safeguards and Security at the FSV Site**

Physical security services will be provided by the FSV Physical Security Services contractor in accordance with the NRC license requirements. The Contractor shall develop an interface agreement with the FSV Physical Security Services contractor, and submit to DOE for approval, in accordance with Section J, Attachment J-2, *List of Contract Deliverables*. The interface agreement shall identify immediate notification responsibilities to the NRC and the DOE licensee and shall provide for immediate availability to initiate service requests for all security systems deficiencies or inoperability.

At the FSV facility specifically, the Contractor, in conjunction with the FSV Physical Security Services contractor shall review the NRC license requirements and implement a physical protection program in accordance with the DOE Licensee requirements, NRC license and the FSV physical security plans. This includes:

- (a) maintaining at all times, the minimum number of required armed/unarmed posted security police officers (SPO), management and support staff;
- (b) ensuring alarm stations are continuously manned by qualified SPOs;
- (c) verifying that required security systems, access controls, barriers, lighting, communication equipment, armament and tactical equipment are, at all times, maintained in operable working condition and capable of performing their intended function;
- (d) implementing security processes and procedures in accordance with applicable NRC requirements and the FSV security plans;
- (e) maintaining an effective corrective action program, designed for timely resolution of deficiencies or inoperable equipment, and to track and trend performance and compliance issues and associated triggers for notification to the DOE licensee;
- (f) for facilities at FSV not subject to NRC requirements, the Contractor shall coordinate with the DOE licensee and implement the Department of Homeland Security, Interagency Security Committee standards to protect personnel, facilities, information, information systems, and operations; and
- (g) for facilities at FSV that produce, receive, store, and or destroy classified information and or information subject to NRC cognizant, the requirements from Intelligence Community Directives (ICD) and NRC requirements shall be used to ensure design and protection requirements.

The Contractor shall ensure that annual assessments, training, and exercises are conducted in accordance with DOE Licensee requirements and the NRC license and



inspection procedures. The Contractor shall not conduct surveys and/or assessments not designed to meet NRC requirements.

The Contractor shall be responsible for timely repairs, maintenance or upgrades to security systems and components in accordance with NRC requirements and the FSV security plans.

The Contractor shall coordinate with the FSV Physical Security Services contractor to adopt the FSV Physical Protection Plan (PPP) in accordance with Section J, Attachment J-2, *List of Contract Deliverables*.

The following list includes, but is not limited to, additional protection activities that the Contractor is responsible for implementing at the FSV Site:

- (a) Program Management: The Contractor shall maintain appropriately trained and qualified personnel and sufficient resources for safeguards and security operations and management. The Contractor shall comply with the requirements of the NRC License and is responsible for all updates to PPP and security operations and management in coordination with the FSV Physical Security Services Contractor.
- (b) Information Security Oversight: Contractor shall ensure all documents are reviewed and approved for public release. The Contractor shall ensure all internal documents are reviewed for classification to comply with NRC License requirements for management of controlled unclassified and classified information, including access, receipt, transmission, storage, destruction, and retention.
- (c) Classification/Declassification/Unclassified Controlled Information: The Contractor shall appoint a classification point of contact for all categories of information required of the NRC license and applicable NRC requirements. The Contractor shall provide classification services in coordination with the DOE-ID NRC Licensed Facilities Classification Officer. The Contractor shall provide personnel and maintain adequate Derivative Classifiers (DCs) and Derivative De-Classifiers (DDs) as necessary to support operational programs. The Contractor shall manage the NRC License requirements for DC/DD and is responsible to the Classification Officer for the Idaho Environmental Management Nuclear Regulatory Commission Licensed Facilities. For public release request, the Contractor shall coordinate with the DOE Licensee and ensure that prior to release, documents are reviewed and approved by appropriately trained and qualified personnel with authority for public release.

- (d) Classified Matter Protection and Control (CMPC):
- (1) The Contractor shall ensure CMPC training is provided as required by the NRC license.
  - (2) The Contractor shall ensure that all personnel handling classified matter receive required training.
  - (3) The Contractor shall develop and implement appropriate systems for protection of classified matter.
- (e) Security Incidents/Inquiries: The Contractor shall follow NRC license requirements to conduct initial assessments of security incidents and make final determinations regarding security infractions of personnel assigned under NRC requirements at FSV. The Contractor shall manage an Incidents of Security Concerns program and comply with NRC license reporting requirements.
- (f) Physical Security Barriers and Equipment: The Contractor shall ensure that all barriers are periodically inspected, and supporting processes are in place to operate barriers as appropriated services provided by the FSV Physical Security Services contractor meets applicable NRC requirements.
- (g) Patrols, Surveillance, and Response Plans: The Contractor shall develop plans for patrols, surveillance and response in accordance with the NRC requirements, and must ensure that that all personnel that perform or implement patrols, surveillance, and response plans are trained, qualified, and knowledgeable in implementation prior to performing work.
- (h) Access Controls and Security Systems: The Contractor shall be responsible for establishing a visitor's management system that meets NRC requirements. The Contractor shall control all locks, keys, combinations and access credentials according to the FSV security plan and NRC requirements. The Contractor shall be responsible for alarms, cameras, and access control equipment and/or new projects. The Contractor shall be responsible for managing all system maintenance and alarm testing. The Contractor shall be immediately available to initiate service requests for all security systems.
- (i) Operations Security (OPSEC): The Contractor shall provide appropriate project personnel to support an OPSEC program. The Contractor shall provide appropriate project personnel to support NRC License requirements of the OPSEC Program and reporting.
- (j) Nuclear Material Control and Accountability (NMC&A): The Contractor shall maintain a Nuclear Material Representative (NMR) and appoint Material Balance Area Custodians (MBACs) as necessary.

- (k) Facility Data Approval Record & Contract Security Classification Specification (FDAR/CSCS): The Contractor shall perform all FDAR/CSCS requirements.
- (l) Foreign Ownership, Control, or Influence (FOCI) processing: The Contractor shall maintain compliance with all FOCI requirements as necessary.
- (m) Coordination and liaison with DOE security organizations: The Contractor shall coordinate security service requests with the DOE security organization. The Contractor shall ensure services provided to the FSV Physical Security Services contractor meet applicable NRC requirements. The Contractor shall coordinate with the FSV Physical Security Services contractor for non-routine activities (e.g., construction security escorts, involuntary separations, increased security checks, and other requests as deemed necessary by the DOE).
- (n) Access Authorization and Badging: The Contractor shall be responsible for pre-employment background investigation for all new hire and subcontractor personnel. Individuals that require a clearance are subject to an Office of Personnel Management (OPM) background investigation. Uncleared personnel shall follow NRC requirements for access to nuclear facilities. The Contractor shall promptly prepare and submit applications for security clearances for adjudication to the DOE personnel security office identified by the DOE Licensee to ensure adequate cleared personnel are available for the successful completion of all contract requirements. The Contractor shall comply with DOE Order 206.2, Identity, Credential, and Access Management (ICAM). The Contractor shall coordinate with the INL contractor and/or other DOE office(s) as approved by the DOE Licensee to issue Homeland Security Presidential Directive (HSPD)-12 badge credentials for all qualified personnel assigned to FSV. This includes cleared and uncleared personnel, and the implementation of the necessary capabilities to provide access to Federal facilities or systems.

### ***C.9.2.03 Property Management***

The Contractor shall manage all government property utilized under this contract. As of the end of contract transition the Contractor shall accept the transfer of and accountability for government property and equipment, including special nuclear material. This requirement includes government property in the possession or control of subcontractors. The Contractor shall establish and maintain a Personal Property Management System (PPMS) in accordance with Section I. 180(FAR) 52.245-1 *Government Property*, 41 CFR Chapter 102 *Federal Management Regulation*, and 41 CFR Chapter 109 *Department of Energy Property Management Regulations* to manage Government property in its possession. The Contractor PPMS shall be submitted to DOE for review and approval in accordance with Section J, Attachment J-2, *List of Contract Deliverables*. All Government Furnished Property (GFP) under this contract is furnished on an “as is/ where is” basis. The Government makes no warranty with respect to the

serviceability and/or suitability of the property for contract performance. Any repairs, replacement, and/or refurbishment shall be the Contractor's responsibility.

Property shall be managed using a graded approach based on risk and cost. All property that has an acquisition value of \$10,000 or more shall be managed as accountable property. In addition, all property that is capitalized or categorized as sensitive and/or high risk in accordance with 41 CFR 109 shall be managed as accountable personal property. Other property may also warrant management as accountable based on cost and risk of loss. Property not managed as accountable shall be controlled administratively. These controls shall be described in the approved PPMS.

The Contractor shall coordinate with the INL contractor to identify new acquisitions (both capitalized equipment purchases and construction projects) to financially capitalize the property. The Contractor shall identify equipment and facilities that are disposed of to ensure timely financial write-off the assets balance in the INL contractor accounting records.

The Contractor shall disposition personal property in accordance with the Contractor's approved PPMS, regulations referenced in the first paragraph of this section and applicable export control regulations. The contractor's PPMS shall include a separation of duties to ensure that records management is performed by different personnel than those who acquire, receive, inventory, and/or perform end of life disposition of property. All accountable property record retirements shall be reported to the CO or designated Organization Property Management Officer (OPMO) on a frequency approved by the CO or OPMO. Lost, Damaged or Destroyed Reports (LDDR) must be submitted to the OPMO (or CO in absence of OPMO) for any lost, damaged or destroyed item of property with an original acquisition value of \$500 or more.

The Contractor shall disposition classified equipment and material in accordance with the requirements of regulations referenced in the first paragraph of this section as well as other applicable regulations and DOE guidance relating specifically to classified property.

The Contractor shall identify, control, and disposition high-risk property in accordance with 41 CFR 109 and FAR 52.245-1. The Contractor shall identify, control, and disposition Automatic Data Processing Equipment in accordance with 41 CFR 109, FAR 52.245-1 and DOE Order 205.1C, Department of Energy Cyber Security Program. The Contractor shall disposition nuclear-related or proliferation sensitive property in accordance with the requirements of 41 CFR 109 and FAR 52.245-1 and other applicable regulations to include, but not limited to, those published by the NRC, US Department of State and US Department of Commerce.

The Contractor shall develop and maintain a program for the acquisition, maintenance, and operation of equipment. The program shall comply with any and all applicable federal laws and regulations, state and local laws, and property management requirements. Government owned motorized and specialized equipment shall be maintained in accordance with standards and programs published and recommended by the Original Equipment Manufacturer (OEM). If the OEM does not have a recommended maintenance program, then best commercial practices will be used. Current DOE procedures shall be followed when ordering replacement vehicles or

requesting additional vehicles. Fleet reporting requirements shall be completed in accordance with DOE directed suspense dates. Records of maintenance should be kept in a manner that is complete, accurate and timely. Calibrated equipment should be tracked and managed in a manner that ensures that certifications and re-certifications are performed timely so as to not disrupt mission activities.

#### **C.9.2.03.01 Real Property Services**

The Contractor shall in accordance with H.65, *REAL PROPERTY ASSET MANAGEMENT*, comply with DOE Order 430.1, *Real Property Asset Management*, managing real property in a safe, secure, cost-effective, and sustainable manner; ensure that financial investments in real property are aligned to meet DOE mission needs and requirements; and ensure the real property portfolio is appropriately sized, aligned, and in proper condition to support efficient mission execution. The Contractor shall input and maintain all data required to be included in the Facility Information Management System (FIMS). This also includes providing reliable FIMS information that is current, complete, and accurate on real property holdings, enabling informed decision making in the planning, budgeting, operation, maintenance, and disposal of real property.

#### **C.9.2.03.02 Personal Property**

The Contractor shall manage all personal property assigned/Government Furnished Equipment (GFE) in accordance with 41 CFR 109, 41 CFR 102 and FAR 52.245-1. The Contractor shall also routinely input data and maintain the Property Information Database System (PIDS). The contractor shall complete DOE required reports/reporting by given suspense dates.

#### **C.9.2.03.03 Replacement of Government Furnished Property**

The replacement of Government Furnished Property for which title shall pass to and vest in the Government shall be the responsibility of the Contractor. The Contractor shall assume the risk of any loss, damage, or destruction of Government Furnished Property in accordance with FAR 52.245-1, Government Property.

#### **C.9.2.04 Conduct of Maintenance**

##### **Real Property Maintenance**

In accordance with DOE Order 430.1, *Real Property Asset Management*, real property assets must be sustained by maintenance, repair, and renovation activities to ensure: mission readiness; operational safety; worker health, environmental protection and compliance; security; and property preservation to cost-effectively meet program missions.

## **Nuclear Facility Maintenance**

The Contractor shall perform maintenance in accordance with the requirements of DOE Order 433.1, *Maintenance Management Program for DOE Nuclear Facilities*, to minimize the likelihood and consequences of human fallibility or technical and organizational system failures.

A Nuclear Maintenance Management Program may be written to encompass Haz Cat 1, 2, & 3; other nuclear and non-nuclear facility maintenance in a single program.

### ***C.9.2.05 Outgoing Contract Transition - Phase Out and Closeout Activities***

The Contractor recognizes that the work and services covered by this contract are vital to the DOE mission and must be maintained without interruption, both at the commencement and the expiration of this Contract. At the expiration of the Contract term, or any Task Order(s) that extend beyond the Master IDIQ ordering period, or any earlier termination thereof, the Contractor shall cooperate with a successor contractor and/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 Contractor 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.

#### **C.9.2.05.01 Phase Out Activities**

The Contractor shall submit a Phase-Out Transition Plan to include its approach to adequately phase-out all Contract and/or Task Order activities. The Phase-Out Transition Plan shall be submitted in accordance with this PWS and the requisite contract or task order deliverable.

The Contractor shall perform those activities that are necessary to transition the work under this contract to a successor contractor in a manner that (1) ensures that all work for which the Contractor is responsible under the contract is continued without disruption; (2) provides for an orderly transfer of resources, responsibilities, and accountability from the Contractor; and (3) provides for the ability of the Contractor to perform the work in an efficient, effective, and safe manner.

The Contractor shall maintain full responsibility for such work until assumption thereof by the successor contractor. Execution of the proposed Phase-Out Transition Plan or any part thereof shall be accomplished in accordance with the CO's direction and approval.

The Phase-Out Transition Plan shall also include a schedule of major activities and address as a minimum:

- A training and orientation program for the successor contractor to cover the complete scope of work covered by the Contract and other specific requirements associated with work efforts at the INL Site and FSV facilities;
- Communication process among DOE, the Contractor, assigned subcontractors, incumbent employees, and the successor contractor and/or subcontractors;
- Identification of key transition issues and milestones;
- Identification of a transition team (inclusive of consultants and teaming members, if any);
- Approach to minimizing impacts on continuity of operations;
- Dispute resolution;
- Transition of programs, plans and projects;
- Transition and/or modification of necessary permits, which shall include a list of permits and purpose.
- Transition of existing management and operating systems, plans, procedures, programs (e.g., Worker Safety and Health plan, QA plan, ISMS program, Occupational Radiation Protection Program, Waste Management Program, Records Management Program, etc.);
- Transition of all Contract responsibilities, functions, and activities;
- Transition of all interface control documents; and
- Transition of any other documents or records that would be required for a successor contractor to adequately and efficiently perform.

Upon DOE approval of the Phase-Out Transition Plan, the Contractor shall complete the activities described in the plan by the end date of the contract and/or Task Order, as applicable.

#### **C.9.2.05.02 Close Out Activities**

The Contractor shall submit a Closeout Plan to document the necessary steps the Contractor shall take to adequately closeout the contract and/or each Task Order. The Closeout Plan shall include a schedule of major activities and address as applicable:

- Identification of deliverables submitted and accepted. The Contractor shall include date submitted, DOE acceptance date (if applicable) and status of any remaining open deliverables;
- Status of all requirements (complete and incomplete);
- Identification of all subcontracts along with status of each subcontract's settlement and final payment. The Contractor shall identify for each subcontract whether final invoices have been paid, date of final payment, current status of settlement, and any other outstanding issues related to final settlement and payment of subcontracts;
- Disposition of Government property and equipment, including special nuclear material;
- Submittal of the final invoice and any incurred cost audit; and
- Coordination of the final Contractor Performance Assessment Report System (CPARS) report.



The Closeout Plan shall be submitted in accordance with this PWS and the requisite contract or task order deliverable. Final payment may be withheld by DOE until all of the necessary activities are completed by the Contractor.

Upon completion of the contract and each task order, a final modification will be executed to officially close out the contract and/or each task order. A final release statement will be included in the applicable closeout modification where the Contractor discharges the Government, its officers, agents and employees from all liabilities, obligations and claims under the contract and/or each task order.

#### **C.9.2.05.03 Incumbent(s) Contract Closeout**

The Contractor shall support all remaining close-out activities of the incumbent contractors (Idaho Cleanup Project Core and NRC Licensed Facilities). This includes, but not limited to, filing W-2s, 1099s, 940s, 941s, final 5500s, and all Affordable Care Act forms; preparing the Fiscal Year 2021 Incurred Cost Submittals and supporting the DOE Cost Incurred audit; dispositioning assigned and open subcontracts and purchase orders, except interagency agreements, by closing all remaining obligations/liabilities to include necessary procurement and/or financial transactions to close the subcontracts and purchase orders; and providing other miscellaneous support activities, as necessary.

#### ***C.9.2.06 Mandatory and Optional Site Services***

The Contractor shall establish an interface agreement that address the mandatory Site services to be purchased from the INL contractor, as listed in Section J, Attachment J-4, *List of INL Mandatory and Optional Site Services*. This agreement shall also address services provided by the ICP Contractor for purchase by the INL contractor. Optional services identified in Section J, Attachment J-4, *List of INL Mandatory and Optional Site Services*, are available to the Contractor for purchase from the INL contractor as the Contractor deems necessary for the contract or task order performance period, in accordance with the established interface agreement(s). If the Contractor purchases an optional service from the INL contractor for a specific task order, the optional service will become a mandatory service for the life of the task order. Any deviation from this requirement will require DOE CO approval. A review of the Site services shall be completed on a routine basis, no less frequent than every three years. The ICP Contractor shall also provide services for purchase by the INL contractor.

Purchasing a mandatory or optional service from the INL contractor does not relieve the Contractor in any way from meeting its responsibilities for meeting contract requirements. These mandatory and optional services are subject to agreement between the Idaho Office of Nuclear Energy and the Idaho Office of Environmental Management.

Other services not identified in Section J, Attachment J-4, *List of INL Mandatory and Optional Site Services* may be available as negotiated by the Contractor and the INL Contractor.

In the event the Contractor determines that some of the mandatory services may be obtained from more cost-effective sources of supply to the Government (EM and NE combined), the Contractor shall notify DOE of its proposal to utilize other sources. DOE approval will be obtained prior to changing mandatory service providers.

### **C.9.3 Environment, Safety, Health and Quality**

#### ***C.9.3.01 Defense Nuclear Facility Safety Board***

The Contractor shall conduct activities in accordance with those DOE commitments to the Defense Nuclear Facility Safety Board (DNFSB) which are contained in implementation plans and other DOE correspondence to the DNFSB. The Contractor shall support preparation of DOE responses to DNFSB issues and recommendations which affect or can affect contract work. Based on CO direction, the Contractor shall fully cooperate with the DNFSB and provide access to such work areas, personnel, and information as necessary. The Contractor shall comply with DOE Order 140.1 on interface activities with the DNFSB. The Contractor shall be accountable for ensuring that subcontractors adhere to these requirements.

#### ***C.9.3.02 Regulatory Interaction and Environmental Services***

The Contractor is authorized to negotiate with regulatory agencies as specified in the regulatory interface protocol, and subject to DOE approval. The Contractor shall work with DOE, regulatory agencies, and other INL entities and contractors to reach collective agreements on interface protocols; keep the *Environmental Regulatory Structure and Interface Protocol for the ICP Contractor* (Section J, Attachment J-5) updated; and follow the protocol.

The Contractor shall maintain an environmental monitoring, analysis, and assessment program to detect impacts of EM operations and to comply with DOE orders, regulations, and agreement requirements. The Contractor shall coordinate its monitoring and surveillance program with the INL contractor to prevent duplication of monitoring efforts and ensure the INL Site monitoring program is technically based and adequate to identify impacts from operations. The environmental monitoring program shall provide for on-Site effluent monitoring; both on- and off-Site environmental surveillance to measure both radiological and non-radiological constituents; and both on- and off-Site erosion control monitoring, as required for specific contractor operations. Monitoring and surveillance includes both the continuous recording of data and the collecting of soil, sediment, water, air, and other samples at specific times. Evaluation and analysis of such data will be performed, as requested. Further, the Contractor shall install additional or modify existing monitoring locations as required or requested by DOE and/or regulatory agencies. The Contractor shall also conduct other monitoring, sampling, or inspection work as required by existing or future agreements with DOE or regulatory agencies.

The Contractor shall operate and maintain the existing Hydrogeologic Data Repository and the Comprehensive Well Inventory database. The Contractor shall provide full access to all Site contractors and DOE, as needed.

The Contractor shall assume applicable responsibilities, in accordance with the Endangered Species Act, the Candidate Conservation Agreement with the U.S. Fish and Wildlife Service, and the Bat Protection Plan.

The Contractor shall support DOE for the purpose of complying with the Natural Resource Damage Assessment requirements under Section 107(a) and 120(a) of CERCLA.

The Contractor shall sample and report the results for the drinking water systems at INTEC and RWMC in compliance with the Safe Drinking Water Act.

The Contractor shall, early in the planning stage of any proposed activity that may trigger agency compliance with the National Environmental Policy Act (NEPA), inform DOE in writing of the proposed action. For proposed CERCLA actions, NEPA values must be addressed to the extent practicable and documentation of how those values are addressed shall be provided to the NEPA Compliance Officer before the action proceeds. All information submitted to DOE by the Contractor shall be presented in a manner and extent that allows DOE to comply with NEPA requirements and to make a NEPA determination. The proposed activity may not proceed until all NEPA requirements have been satisfied. The proposed activity shall be compliant with DOE NEPA published at 10 CFR 1021, National Environmental Policy Act Implementing Procedures and the DOE's NEPA/CERCLA Policy. The Contractor shall adhere to all requirements and conditions, including the implementation of mitigation measures, identified in any applicable NEPA decision document or categorical exclusion upon which a NEPA determination is based.

### ***C.9.3.03 Permits and Compliance Documents***

The Contractor shall maintain and comply with, including reapplications as necessary, all applicable Site environmental permits and compliance documents including, but not limited to:

- RCRA permits;
- Air permits, including Risk-Based Disposal Approvals;
- Waste Water Recycle and Reuse permits;
- Site Treatment Plan under the Federal Facility Compliance Act;
- Notice of Noncompliance Consent Order, dated April 1992 et seq;
- Federal Facility Agreement and Consent Order (FFA/CO), dated December 1991;
- Idaho Settlement Agreement, dated October 1995, including the latest addendum;
- Agreement to Implement, dated July 1, 2008 per the U.S. District Court Order dated, May 25, 2006; and
- DOT Hazardous Material Regulations (HMR) per 49 CFR 107.105.

The Contractor shall be the lead on Site-wide issues related to RCRA and the Idaho Hazardous Waste Management Act (HWMA) and implementing regulations; Federal Facilities Compliance Act (FFCA) Site Treatment Plan; and CERCLA under the FFA/CO. For those compliance areas, the Contractor shall complete and submit (after appropriate coordination with all involved INL Site entities) Site-wide level regulatory reports, Site-wide consent order and agreement tracking

and closure information, and Site-wide permit applications (including permitting operations or facilities included in the Site Treatment Plan). The Contractor is not responsible for facility-specific regulatory compliance, record keeping, and permit applications at facilities it does not manage.

Facility-specific issues or actions related to current or ongoing facility-specific permit applications, releases to the environment, and compliance issues are the responsibility of the contractor managing the facility.

#### **C.9.3.03.01 Certifications**

The Contractor shall provide a written certification statement attesting that information DOE is requested to sign was prepared in accordance with applicable requirements. The Contractor shall include the following certification statement in the submittal of such materials to DOE:

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

The certification statement shall be signed by the individual authorized to sign such certification statements submitted to federal or state regulatory agencies under the applicable regulatory program.

#### **C.9.3.04 Environmental Support to INL Contractor**

Since the INL contractor has the Site-wide coordination role for all regulatory programs except RCRA and CERCLA, the Contractor shall provide the INL contractor with the appropriate information, data (certified if necessary), and support necessary to complete its Site-wide functions including, but not limited to, the following areas:

- Site-wide air emission applications, permits, and reporting per the Clean Air Act and the Idaho implementing regulations; and reporting per the National Emission Standards for Hazardous Air Pollutants (NESHAPs).
- Site-wide monitoring, surveillance, and reporting for liquid effluents, drinking water, storm water, and groundwater to demonstrate compliance with the Clean Water Act, Safe Drinking Act, and other water quality requirements.
- Air and monitoring to determine the impact of operations on the environment and natural resources.

- Site-wide compliance reports, data, and records required by the Toxics Substance Control Act, Federal Insecticide, Fungicide and Rodenticide Act, Emergency Planning and Community Right to Know Act, and cultural resource management laws and regulations.
- Input to the Annual Site Environmental Report shall be provided annually to the designated DOE environmental surveillance, education, and research contractor.
- Asbestos notifications for renovations.

#### ***C.9.3.05 Worker Safety and Health***

##### **Worker Safety and Health**

The Contractor shall develop (or adapt) and implement a Worker Safety and Health Program that complies with 10 CFR 851, *Worker Safety and Health Program* (WSHP), and submit the program to DOE for review and approval. The WSHP is required to be approved and implemented prior to the start of work. Abatement plans (*ICP Core Implementation Plan 10 CFR 851 Technical Amendment*, PLN-5686) are in place for the 2017 Technical Amendment to 10 CFR 851, and for the 2017 Amendment to the OSHA Walking Working Surfaces standard, 29 CFR 1910 Subpart D (*Walking and Working Surfaces Assessment Report*, RPT-1649). As part of this scope, the Contractor shall complete the phased implementation of NFPA 70E-2018 (implementation began in 2018 as a three-phased implementation approach; phases 1 and 2 are complete). The Contractor shall also complete the phased implementation of the 2017 amendment to the OSHA Walking Working Surfaces standard by the end of fiscal year 2025 (implementation began in fiscal year 2020, based on gaps identified in PLN-1649).

#### ***C.9.3.06 Occupational Medical Program (OMP)***

The Contractor shall provide for its employees an OMP in compliance with 10 CFR 851. The Contractor may purchase this service from the INL contractor. A documented section in the WSHP describing the Contractor's OMP is required. 10 CFR 851 Appendix A specifies the written requirements of the OMP program that the WHSP must address. At a minimum, the WHSP for DOE approval needs to provide sufficient information or reference to another document (e.g., procedure, other) which describes the Contractor's (and its subcontractors') planned implementation of the OMP program in Appendix A, Section 8.

#### ***C.9.3.07 Integrated Safety Management System (ISMS)***

The Contractor shall establish and maintain a single ISMS program as required by 48 CFR 970.5223-1, Integration of Environment, Safety and Health into Work Planning and Execution. The ISMS program shall ensure that safety and environmental protection considerations are integrated throughout the entire work planning and execution process (including subcontracts as appropriate) and shall extend through the execution of individual work packages where job-Site safety is ensured for each worker. The Contractor shall ensure that the principles of ISMS serve as the foundation of the implementing mechanisms for work at the Site.

A comprehensive Environmental Management System (EMS) based upon the ISO14001 EMS standard must be integrated into the ISMS. The EMS shall include measures to address federal sustainability requirements in compliance with DOE Order 436.1, *Departmental Sustainability* and other applicable DOE Orders referenced herein, and the DOE Strategic Sustainability Performance Plan, which is managed by the INL contractor. The EMS shall be certified to the ISO14001 standard by an accredited independent registrar within 12 months after the end of contract transition.

The Contractor shall ensure workers are involved in work planning and integrate the concepts of continuous improvement into work activities (e.g., the International Organization for Standardization (ISO) and Voluntary Protection Program (VPP) Star). The Contractor shall submit a compliant ISMS program description document for DOE approval.

### ***C.9.3.08 Safety Culture***

(a) The Contractor shall:

- (1) Adopt and continuously improve organizational culture, 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, the Employee Concerns Program; the Differing Professional Opinions Process; Ethics and Compliance Program/Process; and Alternative Dispute Resolution.
- (2) 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.
- (3) 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.
- (4) Champion a culture that promotes proactive self-identification and reporting of issues that identifies and takes action on systemic weaknesses leading to sustained continuous self-improvement.
- (5) Champion a culture that emphasizes the following safety culture attributes:
  - (i) Demonstrated safety leadership
  - (ii) Risk-informed, conservative decision making
  - (iii) Management engagement and time in the field
  - (iv) Staff recruitment, selection, retention, and development
  - (v) Open communication and fostering an environment free from retribution
  - (vi) Clear expectation and accountability
  - (vii) Personal commitment to everyone's safety
  - (viii) Teamwork and mutual respect



- (ix) Participation in work planning and improvement
- (x) Mindfulness of hazards and controls
- (xi) Credibility, trust, and reporting errors and problems
- (xii) Effective resolution of reported problems
- (xiii) Performance monitoring through multiple means
- (xiv) Use of operations experience
- (xv) Questioning attitude.

### ***C.9.3.09 Industrial Hygiene***

The Contractor shall implement a comprehensive Industrial Hygiene Program in compliance with 10 CFR 851 and the associated regulatory and consensus standards that are incorporated by reference.

#### **C.9.3.09.01 Beryllium Program**

The Contractor shall develop (or adapt) and implement a Chronic Beryllium Disease Prevention Program (CBDPP) and perform work in compliance with 10 CFR 850, *Chronic Beryllium Disease Prevention Program*. The Contractor remains responsible for a CBDPP.

### ***C.9.3.10 Emergency Management***

The Contractor shall provide the necessary personnel, support, resources, facilities, and access in order to maintain an Emergency Management program that is integrated into a single Site-wide program operated by the INL contractor and coordinated with other DOE ID prime contractors as documented in contractors' Interface Agreements. The Contractor shall submit the Emergency Management Program for DOE approval in accordance with Section J, Attachment J-2, *List of Contract Deliverables*. The Contractor shall ensure its Emergency Management Program, including any requirements for TMI-2 (PLN-1610), is in place by the end of contract transition. The Emergency Management program shall be compliant with DOE O 151.1, *Comprehensive Emergency Management System*, and any other relevant directives, laws, etc. The Emergency Management program shall be adequate to analyze, plan, and respond to the hazards that are introduced, present, transported, or collocated with the facilities operated by the Contractor. General requirements shall include the development and implementation of a Comprehensive Emergency Management System designed to:

- Minimize the consequences of all emergencies involving or affecting facilities and activities (including transportation operations/activities);
- Protect the health and safety of all workers and the public from hazards associated with Site operations and those associated with decontamination, decommissioning, and environmental restoration;
- Prevent damage to the environment; and
- Promote effective and efficient integration of all applicable policies, recommendations, and requirements, including Federal interagency emergency plans.



The Contractor shall provide and maintain adequate facilities, personnel, and other resources necessary to maintain a compliant program and shall provide at least the following:

- Facilities that have the power, communications, monitoring, equipment, and furnishings for Emergency Control Centers (ECCs) at RWMC and INTEC and alternate ECC(s) for RWMC and INTEC. Office space for emergency planners or hazards assessors that may be permanently housed in or in close proximity to the ECC shall also be furnished.
- Personnel that can staff a 24/7 cadre of Emergency Response Organization (ERO), filling necessary command and control and support positions in the ECCs, On Scene, and in the Emergency Operations Center (EOC). This includes an Emergency Action Manager (EAM) for each major Site facility (RWMC and INTEC), along with other positions in an approved emergency plan. In addition to responding to actual events, ERO personnel shall be trained, maintain qualifications, and conduct drills and exercises necessary to be proficient.
- Physical access to facilities and access to databases, personnel, or other information sources necessary for hazards assessors to conduct emergency planning hazards surveys and assessments. This shall include a notification process prior to introduction, removal, or relocation of hazardous material, or changes in processes that have the potential to change hazardous material release characteristics. Notification of issues or changes relating to the Unresolved Safety Question/Potential Inadequacy of Safety Analysis (USQ/PISA) process and documented safety basis is also required.
- A senior management personnel position with the authority to act in an advisory and coordination capacity in the EOC for emergencies or drills involving contractor facilities.
- A public affairs liaison position with the authority to coordinate on press releases, press conferences, or other emergency public information functions for emergencies or drills involving contractor facilities.
- Operations, technical, or labor personnel to provide mitigation of hazardous material releases or control of facility processes that will minimize releases. These personnel may also act in a support role with the INL Site-wide fire department or other response personnel.
- A recovery manager and any other personnel necessary to form a recovery team and perform the recovery functions required under emergency management. The appointment of a recovery manager, and the facility turnover when an emergency is terminated, will normally be the transition back to operations under contractor control.
- Resources necessary to perform corrective actions for issues identified in drills, exercises, operational emergencies, self-assessments, or external assessments (e.g. DOE-ID, DOE-HQ, HSS, IG, etc.).
- Time for all facility personnel to be trained in emergency response actions that are necessary for general employees (e.g., take shelter, evacuate, etc.), along with additional time for some facility personnel who will perform as area wardens for evacuation and personnel accountability purposes.

The Contractor shall prepare, submit for DOE approval, and execute the approved Continuity of Operations Plan per DOE Order 150.1, *Continuity Programs*. The Contractor shall submit the Continuity of Operations Plan for DOE approval in accordance with Section J, Attachment J-2,

*List of Contract Deliverables.* The Contractor shall maintain a compliant Emergency Management program.

#### ***C.9.3.11 Radiological Assistance Program (RAP)***

The Contractor shall support the National Nuclear Security Administration (NNSA) RAP with separate funding provided by DOE through the NNSA. Upon request by DOE, the Contractor shall provide Radiological Control Technicians, Radiological Control Supervisors and other support personnel as deemed necessary by DOE to support requests for assistance during radiological emergencies or other events/activities requiring radiological expertise. The Contractor agrees to allow personnel supporting RAP to be appropriately trained in accordance with DOE requirements, and further agrees to provide for the storage and security of any DOE supplied equipment. The Contractor shall supplement response activities with project equipment and vehicles when needed, if available, and maintain/develop all required plans, procedures and reports.

#### ***C.9.3.12 Quality Assurance***

The Contractor shall develop, implement, assess, and continuously improve the Quality Assurance Program (QAP) in accordance with Section E. The QAP shall be submitted to DOE for approval in accordance with Section J, Attachment J-2, *List of Contract Deliverables*.

The Contractor shall flow-down all quality requirements, clauses, policy, regulations, and other requirements from the contract as determined necessary through procurement documents.

#### ***C.9.3.13 Radiation Protection***

The Contractor shall develop and implement a Radiation Protection Program that complies with the requirements of 10 CFR 835, *Occupational Radiation Protection*

Consistent with 10 CFR 835 Occupational Radiation Protection and the Departmental Implementing Guides, the Contractor shall conduct Site activities in compliance with a DOE approved Radiation Protection Program (RPP) to control internal and external dose from occupational radiation exposure and minimize the spread of contamination. The As Low As Reasonably Achievable (ALARA) process shall be applied to EM program activities. The Contractor shall, at the effective date of the transition task order, adopt the existing RPP or submit a proposed RPP that must be approved by DOE prior to the end of contract transition. If adopting the existing RPP, a revision to the RPP shall be submitted to DOE in accordance with Section J, Attachment J-2, *List of Contract Deliverables*.

The Contractor shall utilize Department of Energy Laboratory Accreditation Program (DOELAP) accredited external and internal dosimetry services. All dosimetry records shall be maintained by the entity providing the dosimetry service. The Contractor shall purchase these services from the INL contractor, see Section J, Attachment J-4, *List of INL Mandatory and*

*Optional Site Services.* The Contractor shall maintain a 10 CFR 835 compliant dosimetry and records program.

#### ***C.9.3.14 Nuclear Safety***

The Contractor shall establish and maintain a Nuclear Safety Program in compliance with 10 CFR 830, Subpart B, and relevant directives, and consistent with relevant guides and standards. The Contractor shall ensure that the structure of requirements to achieve nuclear safety is based on sound principles such as defense in depth, redundancy of protective measures, robust technical competence in operations and management oversight, and compliance with DOE directives embodying nuclear safety requirements. The Contractor shall maintain authorization basis documents. During transition, the Contractor shall adopt the existing Unreviewed Safety Question (USQ) process or submit a proposed USQ process to DOE that must be approved prior to the end of contract transition. Any changes to the established Unreviewed Safety Question process shall require DOE approval. The Contractor shall ensure that all nuclear facilities are maintained and operated within the DOE approved safety bases. The Contractor shall comply with DOE requirements for nuclear facility start of operations and re-start of operations as required by DOE Order 425.1, *Verification of Readiness to Startup or Restart Nuclear Facilities*.

#### ***C.9.3.15 Criticality Safety***

The Contractor shall establish and maintain a Criticality Safety Program in compliance with DOE O 420.1, *Facility Safety* and relevant directives, and consistent with relevant guides, and standards identified in this contract. During transition, the Contractor shall adopt existing Criticality Safety Program (CSP) plans and procedures or submit a proposed CSP to DOE that must be approved prior to the end of contract transition. Any changes made to the Criticality Safety Program require DOE approval.

#### ***C.9.4 Office Space***

The Contractor shall provide the same office space for DOE personnel in CPP-663 and WMF-658 as was being provided at the effective date of the transition task order, including DOE office space at FSV. Office space shall include areas for information technologies, communications, administrative functions (e.g., records storage, conference room, office supply storage) and access to storage for, and use of, classified materials.

The Contractor shall assume responsibility for the Sawtelle Street Facility (also known as, Technical Support Buildings (TSB) and Technical Support Annex (TSA)) lease and property taxes located in Idaho Falls, including janitorial services. The Contractor shall provide the same office space for the DOE Inspector General and current INL contractor at TSB-TSA as was being provided at the effective date of the transition task order.

### **C.9.5 DOE-ID Support Activities**

The Contractor shall provide support services to DOE which include, but are not limited to: IT developer support, wireless service, records management, copier services, printing/graphics, DOE office moves, and DOE training.

### **C.9.6 Interactions**

#### ***C.9.6.01 External Affairs/Public Affairs***

- (a) The Contractor shall establish and maintain an External Affairs/Public Affairs program in accordance with DEAR 952.204-75 *Public Affairs* that includes, but is not limited to: timely responses to DOE requests for information and assistance, outreach to keep external constituencies informed about work under the Contract, an effective ICP website, and integrated and effective Site tour planning.
- (b) External Affairs includes information, necessary technical support, and involvement programs to reach diverse external parties interested in the INL Site (e.g., Shoshone-Bannock tribes, EM Citizens Advisory Board, stakeholders, news media, elected officials and their staffs, local community officials, and the public) with the status, challenges, and objectives of the cleanup work.
- (c) For external constituencies, the Contractor shall anticipate specific areas of concern, interest, or controversy and employ communication strategies that inform and ensure close coordination with DOE Communications personnel throughout. DOE retains the primary role in directing the timing, substance, and form of public information and must approve products and outreach.
- (d) The Contractor shall:
  - (1) Submit an External Affairs/Internal Communications Program Description for DOE approval that provides a comprehensive description of the External Affairs Program, staffing, products, and services with an emphasis on innovative approaches to communications.
  - (2) Submit responses to information requested by DOE in compliance with FOIA and Privacy Act requirements.
  - (3) Develop, plan, and coordinate proactive approaches to dissemination of timely information regarding DOE unclassified activities, with an emphasis on innovative approaches to communications. The Contractor shall implement this responsibility through coordination with DOE in such a manner that the public, whether it is the media, citizens' groups, private citizens or local, state or federal government officials, has a clear understanding of DOE activities at the INL Site.

- (4) Work with DOE to inform and involve the Shoshone-Bannock as part of the ICP decision-making and coordinate with DOE on the ongoing technical staff interactions to ensure they can be involved early and often in proposed plans and activities.
- (5) Participate in and attend citizen advisory board activities in support of DOE and specific to scope of overall contract work.
- (6) Provide strategy and resources for required public comment and outreach processes related to upcoming decision making (e.g., NEPA and CERCLA).
- (7) Participate in tour planning and preparation and make facilities and personnel available as requested by DOE. Visits to the project Sites shall be part of ongoing communication and outreach activities.
- (8) Provide ongoing support to DOE in the preparation of communication materials such as presentations, fact sheets, specialized graphics and charts, large posters, up-to-date photography, video and audio clips, and stories.
- (9) Coordinate internal employee communication products through DOE for review and approval if they are related to issues/incidents that have the potential to garner external media and stakeholder interest.
- (10) Receive DOE approval prior to externally releasing information related to the INL Site.
- (e) These interfaces shall be in coordination with DOE: media, members of the U.S. Congress and their staffs, Tribal and community leaders, and a wide variety of stakeholders and local governments.

***C.9.6.02 External Review and Support***

- (a) The Contractor shall provide support to DOE in hosting other agencies, including but not limited to: Defense Nuclear Facilities Safety Board, GAO, Office of Inspector General, and other Government and DOE oversight staff from auditing and assessing organizations, providing required presentations, preparing DOE responses, responding to information requests, and by providing required Subject Matter Experts to respond to questions and information requests.
- (b) The Contractor shall also support the following:
  - (1) Providing access to work areas, personnel, and information, as necessary; and
  - (2) In coordination with DOE audit liaisons, providing support during audits and assessments, including delivering information within a specified time, arranging briefings, preparing presentation materials, and maintaining a record of documents provided in response to requests.

### **C.9.7 Business Performance Requirements**

The scope of this section includes activities such as Business Administration, Internal Audit and other general performance requirements. The Contractor shall develop, implement, and maintain the required plans and actions in accordance with the laws, regulations, and DOE directives applicable to each of the scope areas described in this section and have optimized these services through an integrated planning approach.

#### ***C.9.7.01 Business Administration***

- (a) The Contractor shall establish and maintain cost-effective internal business administration that enables good business decisions, good faith negotiations, sufficient resources to manage the Contract activities, and a cooperative and (as appropriate) collaborative working relationship with DOE, stakeholders, and other Site contractors.
- (b) The Contractor shall provide the management expertise, leadership, and business administration processes (e.g., administration of market-based employee benefits, independent oversight, legal) and systems (e.g., Finance/Accounting, Contracts/Procurement, and Human Resources) to perform Contract Section C requirements safely, securely, efficiently, and in a cost-effective manner.

#### ***C.9.7.02 Internal Audit***

The Contractor shall conduct an internal audit and examination program in accordance with the DOE Cooperative Audit Strategy as outlined in Department of Energy Acquisition Guide, Chapter 70.4 and Government Auditing Standards (Yellow Book, dated July 2018) for records, operations, expenses, and transactions with respect to costs claimed to be allowable and allocable under this contract. The results of such audit including the working papers shall be submitted or made available to the CO or his/her designee. This clause does not supersede DOE's right to perform self-initiated reviews, evaluations, or audits directed at improving the efficiency of operations and an overall reduction in cost.

### **C.9.8 Defined Benefit Pension Plan Costs**

The Contractor shall use designated Defined Benefit Pension Plan funding to reimburse the INL contractor for the ICP share of the current Defined Benefit Pension Plan for incumbent (grandfathered) employees and retirees.

The Contractor as a sponsor of the Idaho National Laboratory Employee Retirement Plan (INLERP) will be reimbursed for pension contributions in the amounts necessary to ensure that the plan is funded to meet the annual minimum requirement under ERISA, as amended by the Pension Protection Act (PPA) of 2006 or as otherwise directed by the Department of Energy. However, reimbursement for pension contributions above the annual minimum contribution required under ERISA, as amended by the PPA, shall require prior approval of the CO and will be considered on a case by case basis. Reimbursement amounts will take into consideration all pre-funding balances and funding standard carryover balances.

## **Part II – Contract Clauses**

### **Section I**

### **Contract Clauses**



## I.1 FAR 52.252-2 Clauses Incorporated By Reference (Feb 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at these addresses:

<https://www.acquisition.gov/?q=browsefar>

<http://energy.gov/management/downloads/searchable-electronic-department-energy-acquisition-regulation>

## I.2 FAR 52.252-6 Authorized Deviations in Clauses (Apr 1984)

- (a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of “(DEVIATION)” after the date of the clause.
- (b) The use in this solicitation or contract of any Department of Energy Acquisition Regulation (48 CFR Chapter 9) clause with an authorized deviation is indicated by the addition of “(DEVIATION)” after the name of the regulation.

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference | Title                                                                                                           | Fill-In Information; See FAR 52.104(d)                                   |
|------------|--------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| I.3        | 52.202-1           | Definitions (Jun 2020)                                                                                          |                                                                          |
| I.4        | 52.203-3           | Gratuities (Apr 1984)                                                                                           |                                                                          |
| I.5        | 52.203-5           | Covenant Against Contingent Fees (May 2014)                                                                     |                                                                          |
| I.6        | 52.203-6           | Restrictions on Subcontractor Sales to the Government (Jun 2020)                                                |                                                                          |
| I.7        | 52.203-7           | Anti-Kickback Procedures (Jun 2020)                                                                             |                                                                          |
| I.8        | 52.203-8           | Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (May 2014)                     |                                                                          |
| I.9        | 52.203-10          | Price or Fee Adjustment for Illegal or Improper Activity (May 2014)                                             |                                                                          |
| I.10       | 52.203-12          | Limitation on Payments to Influence Certain Federal Transactions (Jun 2020)                                     |                                                                          |
| I.11       | 52.203-13          | Contractor Code of Business Ethics and Conduct (Jun 2020)                                                       |                                                                          |
| I.12       | 52.203-14          | Display of Hotline Poster(s) (Jun 2020)                                                                         | (b)(3) DOE Office of Inspector General<br><a href="#">Hotline Poster</a> |
| I.13       | 52.203-17          | Contractor Employee Whistleblower Rights and Requirement to Inform Employees of Whistleblower Rights (Jun 2020) |                                                                          |
| I.14       | 52.203-19          | Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements (Jan 2017)                   |                                                                          |
| I.15       | 52.204-4           | Printed or Copied Double-Sided on Postconsumer Fiber Content Paper (May 2011)                                   |                                                                          |
| I.16       | 52.204-9           | Personal Identity Verification of Contractor Personnel (Jan 2011)                                               |                                                                          |
| I.17       | 52.204-10          | Reporting Executive Compensation and First-Tier Subcontract Awards (Jun 2020)                                   |                                                                          |
| I.18       | 52.204-13          | System for Award Management Maintenance (Oct 2018)                                                              |                                                                          |
| I.19       | 52.204-15          | Service Contract Reporting Requirements for Indefinite Delivery Contracts (Oct 2016)                            |                                                                          |
| I.20       | 52.204-18          | Commercial and Government Entity Code Maintenance (Jul 2016)                                                    |                                                                          |
| I.21       | 52.204-19          | Incorporation by Reference of Representations and Certifications (Dec 2014)                                     |                                                                          |

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference           | Title                                                                                                                                                                                        | Fill-In Information; See FAR 52.104(d)                                   |
|------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| I.22       | 52.204-21<br>Full Text Below | Basic Safeguarding of Covered Contractor Information Systems (Jun 2016)                                                                                                                      |                                                                          |
| I.23       | 52.204-23                    | Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities (Jul 2018)                                                 |                                                                          |
| I.24       | 52.204-25                    | Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2019)                                                                            |                                                                          |
| I.25       | 52.209-6                     | Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, Or Proposed for Debarment (Jun 2020)                                                          |                                                                          |
| I.26       | 52.209-9                     | Updates of Publicly Available Information Regarding Responsibility Matters (Oct 2018)                                                                                                        |                                                                          |
| I.27       | 52.209-10                    | Prohibition on Contracting With Inverted Domestic Corporations (Nov 2015)                                                                                                                    |                                                                          |
| I.28       | 52.210-1                     | Market Research (Jun 2020)                                                                                                                                                                   |                                                                          |
| I.29       | 52.215-2                     | Audit and Records—Negotiation (Jun 2020)                                                                                                                                                     |                                                                          |
| I.30       | 52.215-8                     | Order of Precedence—Uniform Contract Format (Oct 1997)                                                                                                                                       |                                                                          |
| I.31       | 52.215-10                    | Price Reduction for Defective Certified Cost or Pricing Data (Aug 2011)                                                                                                                      |                                                                          |
| I.32       | 52.215-11                    | Price Reduction for Defective Certified Cost or Pricing Data—Modifications (Jun 2020)                                                                                                        |                                                                          |
| I.33       | 52.215-12                    | Subcontractor Certified Cost or Pricing Data (Jun 2020)                                                                                                                                      |                                                                          |
| I.34       | 52.215-13                    | Subcontractor Certified Cost or Pricing Data—Modifications (Jun 2020)                                                                                                                        |                                                                          |
| I.35       | 52.215-14                    | Integrity of Unit Prices (Jun 2020) – Alt I (Oct 1997)                                                                                                                                       |                                                                          |
| I.36       | 52.215-15                    | Pension Adjustments and Asset Reversions (Oct 2010)                                                                                                                                          |                                                                          |
| I.37       | 52.215-17                    | Waiver of Facilities Capital Cost of Money (Oct 1997)<br><b>NOTE: This clause will not be included in the contract if awardee proposes Facilities Capital Cost of Money in its proposal.</b> |                                                                          |
| I.38       | 52.215-18                    | Reversion or Adjustment of Plans for Post-Retirement Benefits (PRB) Other Than Pensions (Jul 2005)                                                                                           |                                                                          |
| I.39       | 52.215-19                    | Notification of Ownership Changes (Oct 1997)                                                                                                                                                 |                                                                          |
| I.40       | 52.215-21                    | Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data—Modifications (Jun 2020) – Alt III (Oct 1997)                                             | (c) by electronic mail (email), as requested by the Contracting Officer. |
| I.41       | 52.215-23                    | Limitations on Pass-Through Charges (Jun 2020)                                                                                                                                               |                                                                          |
| I.42       | 52.216-7                     | Allowable Cost and Payment (Aug 2018), as modified by DEAR 952.216-7 (Applies to CR Task Orders only)                                                                                        | (a)(3) 30th (cost invoices) and 30th (fee invoices)                      |
| I.43       | 52.216-8                     | Fixed Fee (Jun 2011)                                                                                                                                                                         |                                                                          |
| I.44       | 52.216-10                    | Incentive Fee (Jun 2011)                                                                                                                                                                     | (e)(1) 30, 30, 15, zero                                                  |
| I.45       | 52.216-11                    | Cost Contract-No Fee (Apr 1984) (Applies to CR Task Orders without fee only)                                                                                                                 |                                                                          |

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference              | Title                                                                                                | Fill-In Information; See FAR 52.104(d)                                                                     |
|------------|---------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| I.46       | 52.216-18<br>Full Text<br>Below | Ordering (Oct 1995)                                                                                  | (a) from effective date of contract award through the end of the total contract ordering period            |
| I.47       | 52.216-19<br>Full Text<br>Below | Order Limitations (Oct 1995)                                                                         | (a) \$500,000<br>(b)(1) \$6.4B<br>(b)(2) \$6.4B<br>(b)(3) 365<br>(d) 5                                     |
| I.48       | 52.216-22<br>Full Text<br>Below | Indefinite Quantity (Oct 1995)                                                                       | (d) five years beyond the expiration date of the contract ordering period                                  |
| I.49       | 52.217-8                        | Option to Extend Services (Nov 1999)                                                                 | any time prior to the expiration of the Task Order, as applicable                                          |
| I.50       | 52.217-9<br>Full Text<br>Below  | Option to Extend the Term of the Contract (Mar 2000) (Applies to Task Orders with an option(s) only) | (a) TBD on Task Order level; TBD on Task Order level<br>(c) TBD on Task Order level                        |
| I.51       | 52.219-4                        | Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Oct 2014)                 | (c) <b>Offeror is not a HubZone Small Business Concern, and therefore waives the evaluation preference</b> |
| I.52       | 52.219-8                        | Utilization of Small Business Concerns (Oct 2018)                                                    |                                                                                                            |
| I.53       | 52.219-9                        | Small Business Subcontracting Plan (June 2020) – Alt II (Nov 2016)                                   |                                                                                                            |
| I.54       | 52.219-16                       | Liquidated Damages – Subcontracting Plan (Jan 1999)                                                  |                                                                                                            |
| I.55       | 52.219-28                       | Post-Award Small Business Program Re-representation (May 2020)                                       | (g) [Contractor Fill-In]                                                                                   |
| I.56       | 52.222-1                        | Notice to the Government of Labor Disputes (Feb 1997)                                                |                                                                                                            |
| I.57       | 52.222-2                        | Payment for Overtime Premiums (Jul 1990) (Applies to non-CPIF CR Task Orders only)                   | (a) zero                                                                                                   |
| I.58       | 52.222-3                        | Convict Labor (Jun 2003)                                                                             |                                                                                                            |
| I.59       | 52.222-4                        | Contract Work Hours and Safety Standards—Overtime Compensation (May 2018)                            |                                                                                                            |
| I.60       | 52.222-6                        | Construction Wage Rate Requirements (Aug 2018) (Applies to construction work only)                   |                                                                                                            |
| I.61       | 52.222-7                        | Withholding of Funds (May 2014) (Applies to construction work only)                                  |                                                                                                            |
| I.62       | 52.222-8                        | Payrolls and Basic Records (Aug 2018) (Applies to construction work only)                            |                                                                                                            |

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference           | Title                                                                                                                                                           | Fill-In Information; See FAR 52.104(d)                           |
|------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| I.63       | 52.222-9                     | Apprentices and Trainees (Jul 2005) (Applies to construction work only)                                                                                         | Does not include paragraph (c) which is deleted.                 |
| I.64       | 52.222-10                    | Compliance with Copeland Act Requirements (Feb 1988) (Applies to construction work only)                                                                        |                                                                  |
| I.65       | 52.222-11                    | Subcontracts (Labor Standards) (May 2014) (Applies to construction work only)                                                                                   |                                                                  |
| I.66       | 52.222-12                    | Contract Termination—Debarment (May 2014) (Applies to construction work only)                                                                                   |                                                                  |
| I.67       | 52.222-13                    | Compliance with Construction Wage Rate Requirements and Related Regulations (May 2014) (Applies to construction work only)                                      |                                                                  |
| I.68       | 52.222-14                    | Disputes Concerning Labor Standards (Feb 1988) (Applies to construction work only)                                                                              |                                                                  |
| I.69       | 52.222-15                    | Certification of Eligibility (May 2014) (Applies to construction work only)                                                                                     |                                                                  |
| I.70       | 52.222-16                    | Approval of Wage Rates (May 2014) (Applies to construction work only)                                                                                           |                                                                  |
| I.71       | 52.222-19                    | Child Labor – Cooperation with Authorities and Remedies (Jan 2020)                                                                                              |                                                                  |
| I.72       | 52.222-20                    | Contracts for Materials, Supplies, Articles, and Equipment Exceeding \$15,000 (Jun 2020)                                                                        |                                                                  |
| I.73       | 52.222-21                    | Prohibition of Segregated Facilities (Apr 2015)                                                                                                                 |                                                                  |
| I.74       | 52.222-26                    | Equal Opportunity (Sep 2016)                                                                                                                                    |                                                                  |
| I.75       | 52.222-27                    | Affirmative Action Compliance Requirements for Construction (Apr 2015) (Applies to construction work only)                                                      |                                                                  |
| I.76       | 52.222-30                    | Construction Wage Rate Requirements—Price Adjustment (None or Separately Specified Method) (Aug 2018) (Applies to construction work only)                       |                                                                  |
| I.77       | 52.222-31                    | Construction Wage RateRate Requirements – Price Adjustment (Percentage Method) (Aug 2018) (Applies to FFP Task Orders only) (Applies to construction work only) | (b)(1) TBD on Task Order level<br>(b)(2) TBD on Task Order level |
| I.78       | 52.222-34                    | Project Labor Agreement (May 2010) (Applies to construction or D&D work only)                                                                                   |                                                                  |
| I.79       | 52.222-35<br>Full Text Below | Equal Opportunity for Veterans (Jun 2020)                                                                                                                       |                                                                  |
| I.80       | 52.222-36<br>Full Text Below | Equal Opportunity for Workers With Disabilities (Jun 2020)                                                                                                      |                                                                  |
| I.81       | 52.222-37                    | Employment Reports on Veterans (Jun 2020)                                                                                                                       |                                                                  |
| I.82       | 52.222-40                    | Notification of Employee Rights Under the National Labor Relations Act (Dec 2010)                                                                               |                                                                  |
| I.83       | 52.222-41                    | Service Contract Labor Standards (Aug 2018)                                                                                                                     |                                                                  |
| I.84       | 52.222-42<br>Full Text Below | Statement of Equivalent Rates for Federal Hires (May 2014)                                                                                                      | See full text below                                              |
| I.85       | 52.222-43                    | Fair Labor Standards Act and Service Contract Labor Standards - Price Adjustment (Multiple Year And Option Contracts) (Aug 2018)                                |                                                                  |

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference           | Title                                                                                                 | Fill-In Information; See FAR 52.104(d) |
|------------|------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------|
| I.86       | 52.222-44                    | Fair Labor Standards Act and Service Contract Labor Standards - Price Adjustment (May 2014)           |                                        |
| I.87       | 52.222-50                    | Combating Trafficking in Persons (Jan 2019)                                                           |                                        |
| I.88       | 52.222-54                    | Employment Eligibility Verification (Oct 2015)                                                        |                                        |
| I.89       | 52.222-55                    | Minimum Wages Under Executive Order 13658 (Dec 2015)                                                  |                                        |
| I.90       | 52.222-62                    | Paid Sick Leave Under Executive Order 13706 (Jan 2017)                                                |                                        |
| I.91       |                              | Reserved                                                                                              |                                        |
| I.92       | 52.223-3                     | Hazardous Material Identification and Material Safety Data (Jan 1997) – Alt I (Jul 1995)              | (b) NONE                               |
| I.93       | 52.223-5                     | Pollution Prevention and Right-to-Know Information (May 2011)                                         |                                        |
| I.94       | 52.223-6                     | Drug-Free Workplace (May 2001)                                                                        |                                        |
| I.95       | 52.223-9<br>Full Text Below  | Estimate of Percentage of Recovered Material Content for EPA-Designated Items (May 2008)              | (b)(2) the Contracting Officer         |
| I.96       | 52.223-10                    | Waste Reduction Program (May 2024) (DEVIATION FEB 2025)                                               |                                        |
| I.97       | 52.223-11                    | Ozone-Depleting Substances and High Global Warming Potential Hydrofluorocarbons (May 2024 )           |                                        |
| I.98       | 52.223-12                    | Maintenance, Service, Repair, or Disposal of Refrigeration Equipment and Air Conditioners (May 2024 ) |                                        |
| I.99       | 52.223-13                    | Acquisition of EPEAT® – Registered Imaging Equipment (Jun 2014)                                       |                                        |
| I.100      | 52.223-14                    | Acquisition of EPEAT® – Registered Televisions (Jun 2014)                                             |                                        |
| I.101      | 52.223-15                    | Energy Efficiency in Energy-Consuming Products (May 2020)                                             |                                        |
| I.102      | 52.223-16                    | Acquisition of EPEAT®-Registered Personal Computer Products (Oct 2015)                                |                                        |
| I.103      | 52.223-17                    | Affirmative Procurement of EPA-designated Items in Service and Construction Contracts (Aug 2018)      |                                        |
| I.104      | 52.223-18                    | Encouraging Contractors Policies to Ban Text Messaging While Driving (Jun 2020)                       |                                        |
| I.105      |                              | Reserved                                                                                              |                                        |
| I.106      | 52.223-20                    | Aerosols (Jun 2016)                                                                                   |                                        |
| I.107      | 52.223-21                    | Foams (Jun 2016)                                                                                      |                                        |
| I.108      | 52.224-1                     | Privacy Act Notification (Apr 1984)                                                                   |                                        |
| I.109      | 52.224-2                     | Privacy Act (Apr 1984)                                                                                |                                        |
| I.110      | 52.224-3                     | Privacy Act Training (Jan 2017)                                                                       |                                        |
| I.111      | 52.225-1                     | Buy American – Supplies (Oct 2022)                                                                    |                                        |
| I.112      | 52.225-8                     | Duty-Free Entry (Oct 2010)                                                                            |                                        |
| I.113      | 52.225-9<br>Full Text Below  | Buy American – Construction Materials (Oct 2022)                                                      | (b)(2) None                            |
| I.114      | 52.225-11<br>Full Text Below | Buy American – Construction Materials Under Trade Agreements (DOE DEVIATION) (Feb 2008)               | (b)(3) None                            |
| I.115      | 52.225-13                    | Restrictions on Certain Foreign Purchases (Jun 2008)                                                  |                                        |
| I.116      | 52.226-1                     | Utilization of Indian Organizations and Indian-Owned Economic Enterprises (Jun 2000)                  |                                        |
| I.117      | 52.227-1                     | Authorization and Consent (Jun 2020)                                                                  |                                        |
| I.118      | 52.227-2                     | Notice and Assistance Regarding Patent and Copyright Infringement (Jun 2020)                          |                                        |

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference | Title                                                                                                                                    | Fill-In Information; See FAR 52.104(d)                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I.119      | 52.227-3           | Patent Indemnity (Apr 1984)                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.120      | 52.227-4           | Patent Indemnity—Construction Contracts (Dec 2007)                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.121      | 52.227-9           | Refund of Royalties (Apr 1984)                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.122      | 52.227-14          | Rights in Data – General (May 2014) – Alt V (Dec 2007) (as modified by DEAR 927.409)                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.123      | 52.227-16          | Additional Data Requirements (Jun 1987)                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.124      | 52.227-23          | Rights to Proposal Data (Technical) (Jun 1987)                                                                                           | Except for data contained on pages <u>ALL</u> , it is agreed that as a condition of award of this contract, and notwithstanding the conditions of any notice appearing thereon, the Government shall have unlimited rights (as defined in the “Rights in Data-General” clause contained in this contract) in and to the technical data contained in the proposal dated <u>JULY 28, 2020</u> , upon which this contract is based. |
| I.125      | 52.228-5           | Insurance – Work On A Government Installation (Jan 1997) (Applies to FFP Task Orders only)                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.126      | 52.229-3           | Federal, State, and Local Taxes (Feb 2013)                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.127      | 52.230-2           | Cost Accounting Standards (Jun 2020) Class DEVIATION CAAC Letter 2018-03 – May 3, 2018 (Issued by DOE Policy Flash 2018-30)] (DEVIATION) |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.128      | 52.230-6           | Administration of Cost Accounting Standards (Jun 2010)                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.129      | 52.232-1           | Payments (Apr 1984)                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.130      | 52.232-5           | Payments under Fixed-Price Construction Contracts (May 2014)                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.131      | 52.232-8           | Discounts for Prompt Payment (Feb 2002)                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.132      | 52.232-9           | Limitation on Withholding of Payments (Apr 1984)                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.133      | 52.232-11          | Extras (Apr 1984)                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.134      | 52.232-17          | Interest (May 2014)                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.135      | 52.232-18          | Availability of Funds (Apr 1984)                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.136      | 52.232-22          | Limitation of Funds (Apr 1984)                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.137      | 52.232-23          | Assignment of Claims (May 2014)                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.138      | 52.232-25          | Prompt Payment (Jan 2017) – Alt I (Feb 2002) (Alternate I applies to CR Task Orders only)                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I.139      | 52.232-27          | Prompt Payment for Construction Contracts (Jan 2017) (Applies to construction work only)                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference | Title                                                                                                                                                          | Fill-In Information; See FAR 52.104(d)                                                                    |
|------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| I.140      | 52.232-33          | Payment by Electronic Funds Transfer—System for Award Management (Oct 2018)                                                                                    |                                                                                                           |
| I.141      | 52.232-39          | Unenforceability of Unauthorized Obligations (Jun 2013)                                                                                                        |                                                                                                           |
| I.142      | 52.232-40          | Providing Accelerated Payments to Small Business Subcontractors (Dec 2013)                                                                                     |                                                                                                           |
| I.143      | 52.233-1           | Disputes (May 2014) – Alt I (Dec 1991)                                                                                                                         |                                                                                                           |
| I.144      | 52.233-3           | Protest after Award (Aug 1996) – Alt I (Jun 1985)                                                                                                              |                                                                                                           |
| I.145      | 52.233-4           | Applicable Law for Breach of Contract Claim (Oct 2004)                                                                                                         |                                                                                                           |
| I.146      | 52.236-1           | Performance of Work by the Contractor (Apr 1984) (Applies to FFP construction work only)                                                                       | TBD on Task Order level                                                                                   |
| I.147      | 52.236-2           | Differing Site Conditions (Apr 1984) (Applies to FFP construction or D&D work only)                                                                            |                                                                                                           |
| I.148      | 52.236-3           | Site Investigation and Conditions Affecting the Work (Apr 1984) (Applies to FFP construction or D&D work only)                                                 |                                                                                                           |
| I.149      | 52.236-5           | Material and Workmanship (Apr 1984) (Applies to construction work only)                                                                                        |                                                                                                           |
| I.150      | 52.236-6           | Superintendence by the Contractor (Apr 1984) (Applies to FFP construction or D&D work only)                                                                    |                                                                                                           |
| I.151      | 52.236-7           | Permits and Responsibilities (Nov 1991) (Applies to construction or D&D work only)                                                                             |                                                                                                           |
| I.152      | 52.236-8           | Other Contracts (Apr 1984) (Applies to FFP construction or D&D work only)                                                                                      |                                                                                                           |
| I.153      | 52.236-9           | Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements (Apr 1984) (Applies to FFP construction or D&D work only)                |                                                                                                           |
| I.154      | 52.236-10          | Operations and Storage Areas (Apr 1984) (Applies to FFP construction or D&D work only)                                                                         |                                                                                                           |
| I.155      | 52.236-11          | Use and Possession Prior to Completion (Apr 1984) (Applies to FFP construction work only)                                                                      |                                                                                                           |
| I.156      | 52.236-12          | Cleaning Up (Apr 1984) (Applies to FFP construction or D&D work only)                                                                                          |                                                                                                           |
| I.157      | 52.236-13          | Accident Prevention (Nov 1991) – Alt I (Nov 1991) (Applies to FFP construction or D&D work only)                                                               |                                                                                                           |
| I.158      | 52.236-14          | Availability and Use of Utility Services (Apr 1984) (Applies to FFP construction or D&D work only)                                                             |                                                                                                           |
| I.159      | 52.236-15          | Schedules for Construction Contracts (Apr 1984) (Applies to FFP construction work only)                                                                        |                                                                                                           |
| I.160      | 52.236-18          | Work Oversight in Cost-Reimbursement Construction Contracts (Apr 1984) (Applies to CR construction work only)                                                  |                                                                                                           |
| I.161      | 52.236-19          | Organization and Direction of the Work (Apr 1984) (Applies to CR construction work only)                                                                       |                                                                                                           |
| I.162      | 52.236-21          | Specifications and Drawings for Construction (Feb 1997) - Alt I (Apr 1984) or Alt II (Apr 1984), as appropriate (Applies to FFP construction or D&D work only) | Alt II (g) “TBD” [to be completed by Contracting Officer prior to issuance of any applicable Task Orders] |
| I.163      | 52.237-2           | Protection of Government Buildings, Equipment, and Vegetation (Apr 1984)                                                                                       |                                                                                                           |



Table I-1. Clauses

| Clause No. | FAR/DEAR Reference              | Title                                                                                             | Fill-In Information; See FAR 52.104(d)                                                                                                                                                                                                                                                    |
|------------|---------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I.164      | 52.237-3                        | Continuity of Services (Jan 1991)                                                                 |                                                                                                                                                                                                                                                                                           |
| I.165      | 52.239-1                        | Privacy or Security Safeguards (Aug 1996)                                                         |                                                                                                                                                                                                                                                                                           |
| I.166      | 52.242-1                        | Notice of Intent to Disallow Costs (Apr 1984)                                                     |                                                                                                                                                                                                                                                                                           |
| I.167      | 52.242-3                        | Penalties for Unallowable Costs (May 2014)                                                        |                                                                                                                                                                                                                                                                                           |
| I.168      | 52.242-4                        | Certification of Final Indirect Costs (Jan 1997)                                                  |                                                                                                                                                                                                                                                                                           |
| I.169      | 52.242-5                        | Payments to Small Business Subcontractors (Jan 2017)                                              |                                                                                                                                                                                                                                                                                           |
| I.170      | 52.242-13                       | Bankruptcy (Jul 1995)                                                                             |                                                                                                                                                                                                                                                                                           |
| I.171      | 52.243-1                        | Changes – Fixed Price (Aug 1987) – Alt II (Apr 1984)                                              |                                                                                                                                                                                                                                                                                           |
| I.172      | 52.243-2                        | Changes – Cost-Reimbursement (Aug 1987) – Alt I (Apr 1984), Alt II (Apr 1984), Alt III (Apr 1984) |                                                                                                                                                                                                                                                                                           |
| I.173      | 52.243-4                        | Changes (Jun 2007)                                                                                |                                                                                                                                                                                                                                                                                           |
| I.174      | 52.243-6                        | Change Order Accounting (Apr 1984)                                                                |                                                                                                                                                                                                                                                                                           |
| I.175      | 52.243-7                        | Notification of Changes (Jan 2017)                                                                |                                                                                                                                                                                                                                                                                           |
| I.176      | 52.244-2                        | Subcontracts (Jun 2020) – Alt I (Jun 2007)                                                        | (d) The DOE Contracting Officer will issue within 30 days from the effective date of the ICP Integration and Mission Continuity Task Order a letter to the Contractor setting thresholds for consent to subcontract for all subcontract types; (j) [Contracting Officer Fill-In at Award] |
| I.177      | 52.244-5                        | Competition in Subcontracting (Dec 1996)                                                          |                                                                                                                                                                                                                                                                                           |
| I.178      | 52.244-6                        | Subcontracts for Commercial Items (Jun 2020)                                                      |                                                                                                                                                                                                                                                                                           |
| I.179      | 52.245-1                        | Government Property (Jan 2017)                                                                    |                                                                                                                                                                                                                                                                                           |
| I.180      | 52.245-9                        | Use and Charges (Apr 2012)                                                                        |                                                                                                                                                                                                                                                                                           |
| I.181      | 52.246-25                       | Limitation of Liability—Services (Feb 1997)                                                       |                                                                                                                                                                                                                                                                                           |
| I.182      | 52.246-26                       | Reporting Nonconforming Items (Jun 2020)                                                          |                                                                                                                                                                                                                                                                                           |
| I.183      | 52.247-1                        | Commercial Bill of Lading Notations (Feb 2006)                                                    | (a) Department of Energy<br>(b) Department of Energy Contract No. [Contracting Officer Fill-In at Award]; the Contract Administration Office specified in Section G                                                                                                                       |
| I.184      | 52.247-63                       | Preference for U.S.-Flag Air Carriers (June 2003)                                                 |                                                                                                                                                                                                                                                                                           |
| I.185      | 52.247-64                       | Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006)                            |                                                                                                                                                                                                                                                                                           |
| I.186      | 52.247-67<br>Full Text<br>Below | Submission of Transportation Documents for Audit (Feb 2006)                                       |                                                                                                                                                                                                                                                                                           |
| I.187      | 52.247-68                       | Report of Shipment (REPSHIP) (Feb 2006)                                                           |                                                                                                                                                                                                                                                                                           |

Table I-1. Clauses

| Clause No. | FAR/DEAR Reference               | Title                                                                                                                                                | Fill-In Information; See FAR 52.104(d) |
|------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| I.188      | 52.249-2                         | Termination for the Convenience of the Government (Fixed-Price) (Apr 2012) (Applies to FFP Task Orders only)                                         |                                        |
| I.189      | 52.249-3                         | Termination for Convenience of the Government (Dismantling, Demolition, or Removal of Improvements) (Apr 2012) (Applies to FFP D&D Task Orders only) |                                        |
| I.190      | 52.249-6                         | Termination (Cost-Reimbursement) (May 2004) – Alt I (Sep 1996) (Applies to CR Task Orders for construction only)                                     |                                        |
| I.191      | 52.249-8                         | Default (Fixed-Price Supply and Service) (Apr 1984) (Applies to FFP Task Orders only)                                                                |                                        |
| I.192      | 52.249-10                        | Default (Fixed-Price Construction) (Apr 1984) – Alt I (Apr 1984) (Alt I applies to FFP construction or D&D Task Orders only)                         |                                        |
| I.193      | 52.249-14                        | Excusable Delays (Apr 1984) (Applies to CR Task Orders only)                                                                                         |                                        |
| I.194      | 52.251-1                         | Government Supply Sources (Apr 2012)                                                                                                                 |                                        |
| I.195      | 52.251-2                         | Interagency Fleet Management System Vehicles and Related Services (Jan 1991)                                                                         |                                        |
| I.196      | 52.253-1                         | Computer Generated Forms (Jan 1991)                                                                                                                  |                                        |
| I.197      | 952.202-1                        | Definitions (Feb 2011)                                                                                                                               |                                        |
| I.198      | 952.203-70                       | Whistleblower Protection for Contractor Employees (Dec 2000)                                                                                         |                                        |
| I.199      | 952.204-2                        | Security Requirements (Aug 2016)                                                                                                                     |                                        |
| I.200      | 952.204-70                       | Classification/Declassification (Sep 1997)                                                                                                           |                                        |
| I.201      | 952.204-75                       | Public Affairs (Dec 2000)                                                                                                                            |                                        |
| I.202      | 952.204-77                       | Computer Security (Aug 2006)                                                                                                                         |                                        |
| I.203      | 952.208-7                        | Tagging of Leased Vehicles (Apr 1984)                                                                                                                |                                        |
| I.204      | 952.208-70                       | Printing (Apr 1984)                                                                                                                                  |                                        |
| I.205      | 952.209-72                       | Organizational Conflicts of Interest (Aug 2009) – Alt I (Feb 2011)                                                                                   | (b)(1)(i) zero (0)                     |
| I.206      | 952.215-70                       | Key Personnel (Dec 2000)                                                                                                                             |                                        |
| I.207      | 952.216-7                        | Allowable Cost and Payment (Feb 2011)                                                                                                                |                                        |
| I.208      | 952.217-70                       | Acquisition of Real Property (Mar 2011)                                                                                                              |                                        |
| I.209      | 952.223-72                       | Radiation Protection and Nuclear Criticality (Apr 1984)                                                                                              |                                        |
| I.210      | 952.223-75                       | Preservation of Individual Occupational Radiation Exposure Records (Apr 1984)                                                                        |                                        |
| I.211      | 952.223-78                       | Sustainable Acquisition Program (Oct 2010) – Alt I (Oct 2010) (Alt I applies to Task Orders for construction only)                                   |                                        |
| I.212      | 952.225-70                       | Subcontracting for Nuclear Hot Cell Services (Mar 1993)                                                                                              |                                        |
| I.213      | 952.225-71                       | Compliance with Export Control Laws and Regulations (Nov 2015)                                                                                       |                                        |
| I.214      | 952.226-74                       | Displaced Employee Hiring Preference (Jun 1997)                                                                                                      |                                        |
| I.215      | 952.231-71                       | Insurance-Litigation and Claims (Jul 2013)                                                                                                           |                                        |
| I.216      | 952.242-70                       | Technical Direction (Dec 2000)                                                                                                                       |                                        |
| I.217      | 952.245-5                        | Government Property (Cost-Reimbursement, Time-and-Material, or Labor-Hour Contracts) (Dec 2012)                                                      |                                        |
| I.218      | 952.247-70                       | Foreign Travel (Jun 2010)                                                                                                                            |                                        |
| I.219      | 952.250-70                       | Nuclear Hazards Indemnity Agreement (Aug 2016)                                                                                                       |                                        |
| I.220      | 952.251-70                       | Contractor Employee Travel Discounts (Aug 2009)                                                                                                      |                                        |
| I.221      | 970.5204-1                       | Counterintelligence (Dec 2010)                                                                                                                       |                                        |
| I.222      | 970.5204-3<br>Full Text<br>Below | Access To and Ownership of Records (Oct 2014) (DEVIATION)                                                                                            |                                        |

**Table I-1. Clauses**

| Clause No. | FAR/DEAR Reference | Title                                                                                                                   | Fill-In Information; See FAR 52.104(d) |
|------------|--------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| I.223      | 970.5215-3         | Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts (Aug 2009) – Alt II (Aug 2009) |                                        |
| I.224      | 970.5217-1         | Strategic Partnership Project Program (Non-DOE Funded Work ) (Apr 2015)                                                 |                                        |
| I.225      | 970.5223-1         | Integration of Environment, Safety, and Health into Work Planning (Dec 2000)                                            |                                        |
| I.226      | 970.5226-2         | Workforce Restructuring Under Section 3161 of the National Defense Authorization Act for Fiscal Year 1993 (Dec 2000)    |                                        |
| I.227      | 970.5227-1         | Rights in Data – Facilities (Dec 2000)                                                                                  | [Contracting Officer Fill-In at Award] |
| I.228      |                    | Reserved                                                                                                                |                                        |
| I.229      | 52.204-27          | Prohibition on a ByteDance Covered Application                                                                          |                                        |

**Acronyms:**

CPIF = cost plus incentive fee

CR = cost reimbursement

D&D = decontamination and decommissioning

DEAR = U.S.Department of Energy Acquisition Regulation

DOE = U.S. Department of Energy

EPA = U.S. Environmental Protection Agency

FAR = Federal Acquisition Regulation

FFP = firm fixed price

HUBZone = Historically Underutilized Business Zone

PRB = post-retirement benefit

TBD = to be determined

This contract incorporates one or more clauses, by reference, as indicated in the matrix above.

Any clauses that are included in full text are listed below and include the same Section I identifier in parentheses as was used above.

**(I.22) FAR 52.204-21 Basic Safeguarding of Covered Contractor Information Systems (Jun 2016)**

**(a) Definitions. As used in this clause–**

“Covered contractor information system” means an information system that is owned or operated by a contractor that processes, stores, or transmits Federal contract information.

“Federal contract information” means information, not intended for public release, that is provided by or generated for the Government under a contract to develop or deliver a product or service to the Government, but not including information provided by the Government to the public (such as on public websites) or simple transactional information, such as necessary to process payments.

“Information” means any communication or representation of knowledge such as facts, data, or opinions, in any medium or form, including textual, numerical, graphic, cartographic, narrative, or audiovisual (Committee on National Security Systems Instruction (CNSSI) 4009).

“Information system” means a discrete set of information resources organized for the collection, processing, maintenance, use, sharing, dissemination, or disposition of information (44 U.S.C. 3502).

“Safeguarding” means measures or controls that are prescribed to protect information systems.

(b) Safeguarding requirements and procedures.

- (1) The Contractor shall apply the following basic safeguarding requirements and procedures to protect covered contractor information systems. Requirements and procedures for basic safeguarding of covered contractor information systems shall include, at a minimum, the following security controls:
    - (i) Limit information system access to authorized users, processes acting on behalf of authorized users, or devices (including other information systems).
    - (ii) Limit information system access to the types of transactions and functions that authorized users are permitted to execute.
    - (iii) Verify and control/limit connections to and use of external information systems.
    - (iv) Control information posted or processed on publicly accessible information systems.
    - (v) Identify information system users, processes acting on behalf of users, or devices.
    - (vi) Authenticate (or verify) the identities of those users, processes, or devices, as a prerequisite to allowing access to organizational information systems.
    - (vii) Sanitize or destroy information system media containing Federal Contract Information before disposal or release for reuse.
    - (viii) Limit physical access to organizational information systems, equipment, and the respective operating environments to authorized individuals.
    - (ix) Escort visitors and monitor visitor activity; maintain audit logs of physical access; and control and manage physical access devices.
    - (x) Monitor, control, and protect organizational communications (i.e., information transmitted or received by organizational information systems) at the external boundaries and key internal boundaries of the information systems.
    - (xi) Implement sub-networks for publicly accessible system components that are physically or logically separated from internal networks.
    - (xii) Identify, report, and correct information and information system flaws in a timely manner.
    - (xiii) Provide protection from malicious code at appropriate locations within organizational information systems.
    - (xiv) Update malicious code protection mechanisms when new releases are available.
    - (xv) Perform periodic scans of the information system and real-time scans of files from external sources as files are downloaded, opened, or executed.
  - (2) Other requirements. This clause does not relieve the Contractor of any other specific safeguarding requirements specified by Federal agencies and departments relating to covered contractor information systems generally or other Federal safeguarding requirements for controlled unclassified information (CUI) as established by Executive Order 13556.
- (c) Subcontracts. The Contractor shall include the substance of this clause, including this paragraph (c), in subcontracts under this contract (including subcontracts for the acquisition of commercial items,

other than commercially available off-the-shelf items), in which the subcontractor may have Federal contract information residing in or transiting through its information system.

**(I.46) FAR 52.216-18 Ordering (Oct 1995)**

- (a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from effective date of contract award through the end of the total contract ordering period.
- (b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.
- (c) If mailed, a delivery order or task order is considered “issued” when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

**(I.47) FAR 52.216-19 Order Limitations (Oct 1995)**

- (a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than \$500,000.00 the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.
- (b) Maximum order. The Contractor is not obligated to honor:
  - (1) Any order for a single item in excess of \$6.4B;
  - (2) Any order for a combination of items in excess of \$6.4B; or
  - (3) A series of orders from the same ordering office within 365 days that together call for quantities exceeding the limitation in subparagraph (b)(1) or (2) of this section.
- (c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.
- (d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 5 days after issuance, with written notice stating the Contractor’s intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

**(I.48) FAR 52.216-22 Indefinite Quantity (Oct 1995)**

- (a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.
- (b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the “maximum.” The Government shall order at least the quantity of supplies or services designated in the Schedule as the “minimum.”

- (c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.
- (d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract five years beyond the expiration date of the contract ordering period.

**(I.50) FAR 52.217-9 Option to Extend the Term of the Contract (Mar 2000) (Applies to Task Orders with an option(s) only)**

- (a) The Government may extend the term of this contract by written notice to the Contractor within TBD on Task Order level; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least TBD on Task Order level days before the contract expires. The preliminary notice does not commit the Government to an extension.
- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- (c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed TBD on Task Order level (months) (years).

**(I.79) FAR 52.222-35 Equal Opportunity for Veterans (Jun 2020)**

- (a) Definitions. As used in this clause—

“Active duty wartime or campaign badge veteran,” “Armed Forces service medal veteran,” “disabled veteran,” “protected veteran,” “qualified disabled veteran,” and “recently separated veteran” have the meanings given at FAR 22.1301.

- (b) Equal opportunity clause. The Contractor shall abide by the requirements of the equal opportunity clause at 41 CFR 60-300.5(a), as of March 24, 2014. This clause prohibits discrimination against qualified protected veterans, and requires affirmative action by the Contractor to employ and advance in employment qualified protected veterans.
- (c) Subcontracts. The Contractor shall insert the terms of this clause in subcontracts valued at or above the threshold specified in FAR 22.1303(a) on the date of subcontract award, unless exempted by rules, regulations, or orders of the Secretary of Labor. The Contractor shall act as specified by the Director, Office of Federal Contract Compliance Programs, to enforce the terms, including action for noncompliance. Such necessary changes in language may be made as shall be appropriate to identify properly the parties and their undertakings.

**(I.80) FAR 52.222-36 Equal Opportunity for Workers With Disabilities (Jun 2020)**

- (a) Equal opportunity clause. The Contractor shall abide by the requirements of the equal opportunity clause at 41 CFR 60.741.5(a), as of March 24, 2014. This clause prohibits discrimination against qualified individuals on the basis of disability, and requires affirmative action by the Contractor to employ and advance in employment qualified individuals with disabilities.

- (b) Subcontracts. The Contractor shall include the terms of this clause in every subcontract or purchase order in excess of the threshold specified in Federal Acquisition Regulation (FAR) 22.1408(a) on the date of subcontract award, unless exempted by rules, regulations, or orders of the Secretary, so that such provisions will be binding upon each subcontractor or vendor. The Contractor shall act as specified by the Director, Office of Federal Contract Compliance Programs of the U.S. Department of Labor, to enforce the terms, including action for noncompliance. Such necessary changes in language may be made as shall be appropriate to identify properly the parties and their undertakings.

**(I.84) FAR 52.222-42 Statement of Equivalent Rates for Federal Hires (May 2014)**

In compliance with the Service Contract Labor Standards statute and the regulations of the Secretary of Labor (29 CFR part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only: It is not a Wage Determination (Please refer to Section J, Attachment J-6 for Wage Determinations applicable to this Contract)

**Table I-2. Classes of Service, Wage, and Fringe Benefits**

| Classifications              | Grade   | Equivalent Pay    |
|------------------------------|---------|-------------------|
| Carpenter                    | 9       | 24.71             |
| Computer Operator            | 5/7/9   | 16.73/20.72/25.35 |
| Computer Programmer          | 7/9/11  | 20.72/25.35/30.67 |
| Electrician                  | 10      | 26.34             |
| Engineering Technician       | 5       | 16.73             |
| Environmental Technician     | 5       | 16.73             |
| Forklift Operator            | 5       | 18.51             |
| Guard                        | 5/7/9   | 16.73/20.72/25.35 |
| Heavy Equipment Operator     | 10      | 26.34             |
| HVAC                         | 10      | 26.34             |
| Instrument Mechanic          | 8/10/11 | 23.26/26.34/27.81 |
| Janitor – Light/Heavy        | 1 / 2   | 11.62/13.39       |
| Laborer                      | 3       | 15.26             |
| Machinist                    | 10      | 26.34             |
| Motor Vehicle Operator       | 5       | 18.51             |
| Painter – Rough/Finish       | 7/9     | 21.82/24.71       |
| Pipefitter                   | 10      | 26.34             |
| Receiving Clerk              | 6       | 20.19             |
| Secretary (Office Assistant) | 8/9/10  | 22.95/25.35/27.92 |
| Technical Instructor         | 4/5     | 14.95/16.73       |
| Technical Writer             | 9/11/13 | 25.35/30.67/43.71 |
| Truck Driver – Medium/Heavy  | 6/7     | 20.19/21.82       |
| Warehouse Specialist         | 5       | 18.51             |
| Water Treatment Operator     | 10      | 26.34             |
| Welder                       | 7/8/9   | 21.82/23.26/24.71 |

The fringe benefit rate is \$4.54/hour which is in addition to the above hourly rates.



**(I.95) FAR 52.223-9 Estimate of Percentage of Recovered Material Content for EPA-Designated Products (May 2008)**

(a) Definitions. As used in this clause—

“Postconsumer material” means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of “recovered material.”

“Recovered material” means waste materials and by-products recovered or diverted from solid waste, but the term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(b) The Contractor, on completion of this contract, shall:

- (1) Estimate the percentage of the total recovered material content for EPA designated item(s) delivered and/or used in contract performance, including, if applicable, the percentage of post-consumer material content; and
- (2) Submit this estimate to the Contracting Officer.

**(I.113) FAR 52.225-9 Buy American – Construction Materials (Oct 2022)**

(a) Definitions. As used in this clause:

“Commercially available off-the-shelf (COTS) item”

(1) Means any item of supply (including construction material) that is:

- (i) A commercial item (as defined in paragraph (1) of the definition of “commercial product” at Federal Acquisition Regulation (FAR 2.101);
- (ii) Sold in substantial quantities in the commercial marketplace; and
- (iii) Offered to the Government, under a contract or subcontract at any tier, without modification, in the same form in which it is sold in the commercial marketplace; and

(2) Does not include bulk cargo, as defined in 46 U.S.C. 40102(4), such as agricultural products and petroleum products.

“Construction material” means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the Site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

“Cost of components” means:

- (1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or
- (2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

“Critical component” means: a component that is mined, produced, or manufactured in the United States and deemed critical to the U.S. supply chain. The list of critical components is at FAR 25.105.

“Critical item” means a domestic construction material or domestic end product that is deemed critical to U.S. supply chain resiliency. The list of critical items is at FAR 25.105.

“Domestic construction material” means:

- (1) For construction material that does not consist wholly or predominantly of iron or steel or a combination of both-
  - (i) An unmanufactured construction material mined or produced in the United States; or
  - (ii) A construction material manufactured in the United States, if -
    - A. The cost of its components mined, produced, or manufactured in the United States exceeds 60 percent of the cost of all its components, except that the percentage will be 65 percent for items delivered in calendar years 2024 through 2028 and 75 percent for items delivered starting in calendar year 2029. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic. Components of unknown origin are treated as foreign; or
    - B. The construction material is a COTS item; or
- (2) For construction material that consists wholly or predominantly of iron or steel or a combination of both, a construction material manufactured in the United States if the cost of foreign iron and steel constitutes less than 5 percent of the cost of all components used in such construction material. The cost of foreign iron and steel includes but is not limited to the cost of foreign iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the construction material and a good faith estimate of the cost of all foreign iron or steel components excluding COTS fasteners. Iron or steel components of unknown origin are treated as foreign. If the construction material contains multiple components, the cost of all the materials used in such construction material is calculated in accordance with the definition of "cost of components".

“Fastener” means a hardware device that mechanically joins or affixes two or more objects together. Examples of fasteners are nuts, bolts, pins, rivets, nails, clips, and screws.

“Foreign construction material” means a construction material other than a domestic construction material.

“Foreign iron and steel” means iron or steel products not produced in the United States. Produced in the United States means that all manufacturing processes of the iron or steel must take place in the United States, from the initial melting stage through the application of coatings, except metallurgical processes involving refinement of steel additives. The origin of the elements of the iron or steel is not relevant to the determination of whether it is domestic or foreign.

“Predominantly of iron or steel or a combination of both” means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. The cost of iron and steel is the cost of the iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the product and a good faith estimate of the cost of iron or steel components excluding COTS fasteners.

“Steel” means an alloy that includes at least 50 percent iron, between 0.02 and 2 percent carbon, and may include other elements.

“United States” means the 50 States, the District of Columbia, and outlying areas.

(b) Domestic preference.

(1) This clause implements 41 U.S.C. chapter 83, Buy American, by providing a preference for domestic construction material. In accordance with 41 U.S.C. 1907, the component test of the Buy American statute is waived for construction material that is a COTS item. (See FAR 12.505(a)(2)). The Contractor shall use only domestic construction material in performing this contract, except as provided in paragraphs (b)(2) and (b)(3) of this clause.

(2) This requirement does not apply to information technology that is a commercial item or to the construction materials or components listed by the Government as follows:

None

(3) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(2) of this clause if the Government determines that—

(i) The cost of domestic construction material would be unreasonable.

A. For domestic construction material that is not a critical item or does not contain critical components.

(1) The cost of a particular domestic construction material subject to the requirements of the Buy American statute is unreasonable when the cost of such material exceeds the cost of foreign material by more than 20 percent;

(2) For construction material that is not a COTS item and does not consist wholly or predominantly of iron or steel or a combination of both, if the cost of a particular domestic construction material is determined to be unreasonable or there is no domestic offer received, and the low offer is for foreign construction material that is manufactured in the United States and does not exceed 55 percent domestic content, the Contracting Officer will treat the lowest offer of foreign construction material that exceeds 55 percent domestic content as a domestic offer and determine whether the cost of that offer is unreasonable by applying the evaluation factor listed in paragraph (b)(3)(i)(A)(1) of this clause.

- (3) The procedures in paragraph (b)(3)(i)(A)(2) of this clause will no longer apply as of January 1, 2030.
- B. For domestic construction material that is a critical item or contains critical components.
  - (1) The cost of a particular domestic construction material that is a critical item or contains critical components, subject to the requirements of the Buy American statute, is unreasonable when the cost of such material exceeds the cost of foreign material by more than 20 percent plus the additional preference factor identified for the critical item or construction material containing critical components listed at FAR 25.105.
  - (2) For construction material that does not consist wholly or predominantly of iron or steel or a combination of both, if the cost of a particular domestic construction material is determined to be unreasonable or there is no domestic offer received, and the low offer is for foreign construction material that does not exceed 55 percent domestic content, the Contracting Officer will treat the lowest foreign offer of construction material that is manufactured in the United States and exceeds 55 percent domestic content as a domestic offer, and determine whether the cost of that offer is unreasonable by applying the evaluation factor listed in paragraph (b)(3)(i)(B)(1) of this clause.
  - (3) The procedures in paragraph (b)(3)(i)(B)(2) of this clause will no longer apply as of January 1, 2030.
- (ii) The application of the restriction of the Buy American statute to a particular construction material would be impracticable or inconsistent with the public interest; or
- (iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.
- (c) Request for determination of inapplicability of the Buy American statute.
  - (1) (i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(3) of this clause shall include adequate information for Government evaluation of the request, including:
    - (A) A description of the foreign and domestic construction materials;
    - (B) Unit of measure;
    - (C) Quantity;
    - (D) Price;
    - (E) Time of delivery or availability;
    - (F) Location of the construction project;
    - (G) Name and address of the proposed supplier; and
    - (H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.
  - (ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

- (iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).
- (iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.
- (2) If the Government determines after contract award that an exception to the Buy American statute applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(3)(i) of this clause.
- (3) Unless the Government determines that an exception to the Buy American statute applies, use of foreign construction material is noncompliant with the Buy American statute.
- (d) Data. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

| Foreign and Domestic Construction Materials Price Comparison |                 |          |                 |
|--------------------------------------------------------------|-----------------|----------|-----------------|
| Construction Material Description                            | Unit of Measure | Quantity | Price (Dollars) |
| <b>Item 1</b>                                                |                 |          |                 |
| Foreign construction material                                |                 |          |                 |
| Domestic construction material                               |                 |          |                 |
| <b>Item 2</b>                                                |                 |          |                 |
| Foreign construction material                                |                 |          |                 |
| Domestic construction material                               |                 |          |                 |

[\* Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

(End of clause)

**(I.114) FAR 52.225-11 Buy American-Construction Materials Under Trade Agreements (DOE DEVIATION) (Feb 2008))**

- (a) Definitions. As used in this clause-

“Component” means an article, material, or supply incorporated directly into a construction material.

“Construction material” means an article, material, or supply brought to the construction site by the Contractor or subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life

safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

“Cost of components” means-

- (1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or
- (2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

“Designated country” means any of the following countries:

- (1) A World Trade Organization Government Procurement Agreement country (Aruba, Austria, Belgium, Bulgaria, Canada, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea (Republic of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, or United Kingdom);
- (2) A Free Trade Agreement country (Australia, Bahrain, Canada, Chile, Dominican Republic, El Salvador, Guatemala, Honduras, Mexico, Morocco, Nicaragua, or Singapore); or
- (3) A least developed country (Afghanistan, Angola, Bangladesh, Benin, Bhutan, Burkina Faso, Burundi, Cambodia, Cape Verde, Central African Republic, Chad, Comoros, Democratic Republic of Congo, Djibouti, East Timor, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Guinea, Guinea-Bissau, Haiti, Kiribati, Laos, Lesotho, Madagascar, Malawi, Maldives, Mali, Mauritania, Mozambique, Nepal, Niger, Rwanda, Samoa, Sao Tome and Principe, Senegal, Sierra Leone, Solomon Islands, Somalia, Tanzania, Togo, Tuvalu, Uganda, Vanuatu, Yemen, or Zambia).

“Designated country construction material” means a construction material that is a WTO GPA country construction material, an FTA country construction material, or a least developed country construction material.

“Domestic construction material” means-

- (1) An unmanufactured construction material mined or produced in the United States; or
- (2) A construction material manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic.

“Foreign construction material” means a construction material other than a domestic construction material.

“Free Trade Agreement country construction material” means a construction material that-

- (1) Is wholly the growth, product, or manufacture of a Free Trade Agreement (FTA) country; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a FTA country into a new and different construction material distinct from the materials from which it was transformed.

“Least developed country construction material” means a construction material that-

- (1) Is wholly the growth, product, or manufacture of a least developed country; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a least developed country into a new and different construction material distinct from the materials from which it was transformed.

“United States” means the 50 States, the District of Columbia, and outlying areas.

“WTO GPA country construction material” means a construction material that-

- (1) Is wholly the growth, product, or manufacture of a WTO GPA country; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a WTO GPA country into a new and different construction material distinct from the materials from which it was transformed.

(b) Construction materials.

- (1) This clause implements the Buy American Act (41 U.S.C. 10a-10d) by providing a preference for domestic construction material. In addition, the Contracting Officer has determined that the WTO GPA and Free Trade Agreements (FTAs) apply to this acquisition. Therefore, the Buy American Act restrictions are waived for designated country construction materials.
- (2) The Contractor shall use only domestic or designated country construction material in performing this contract, except as provided in paragraphs (b)(3) and (b)(4) of this clause.
- (3) The requirement in paragraph (b)(2) of this clause does not apply to the construction materials or components listed by the Government as follows:

None

- (4) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(3) of this clause if the Government determines that-
  - (i) The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the restrictions of the Buy American Act is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;
  - (ii) The application of the restriction of the Buy American Act to a particular construction material would be impracticable or inconsistent with the public interest; or
  - (iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(c) Request for determination of inapplicability of the Buy American Act.



- (1)(i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(4) of this clause shall include adequate information for Government evaluation of the request, including-
- (A) A description of the foreign and domestic construction materials;
  - (B) Unit of measure;
  - (C) Quantity;
  - (D) Price;
  - (E) Time of delivery or availability;
  - (F) Location of the construction project;
  - (G) Name and address of the proposed supplier; and
  - (H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.
- (ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.
- (iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).
- (iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.
- (2) If the Government determines after contract award that an exception to the Buy American Act applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(4)(i) of this clause.
- (3) Unless the Government determines that an exception to the Buy American Act applies, use of foreign construction material is noncompliant with the Buy American Act.
- (d) Data. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

| Foreign and Domestic Construction Materials Price Comparison |                 |          |                  |
|--------------------------------------------------------------|-----------------|----------|------------------|
| Construction Material Description                            | Unit of Measure | Quantity | Price (Dollars)* |
| <b>Item 1</b>                                                |                 |          |                  |
| Foreign construction material                                |                 |          |                  |
| Domestic construction material                               |                 |          |                  |
| <b>Item 2</b>                                                |                 |          |                  |
| Foreign construction material                                |                 |          |                  |
| Domestic construction material                               |                 |          |                  |

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

[\* Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]

**(I.186) FAR 52.247-67 Submission of Transportation Documents for Audit (Feb 2006)**

- (a) The Contractor shall submit to the address identified below, for prepayment audit, transportation documents on which the United States will assume freight charges that were paid:
  - (1) By the Contractor under a cost-reimbursement contract; and
  - (2) By a first-tier subcontractor under a cost-reimbursement subcontract thereunder.
- (b) Cost-reimbursement Contractors shall only submit for audit those bills of lading with freight shipment charges exceeding \$100. Bills under \$100 shall be retained on-site by the Contractor and made available for on-site audits. This exception only applies to freight shipment bills and is not intended to apply to bills and invoices for any other transportation services.
- (c) Contractors shall submit the above referenced transportation documents to:

[Contracting Officer identified in Section G]

**(I.224) DEAR 970.5204-3 Access To and Ownership of Records (Oct 2014) (DEVIATION)**

- (a) Government-owned records. Except as provided in paragraph (b) of this clause, all records acquired or generated by the contractor in its performance of this contract, including records series described within the contract as Privacy Act systems of records, shall be the property of the Government and shall be maintained in accordance with 36 Code of Federal Regulations (CFR), Chapter XII, -- Subchapter B, "Records Management." The contractor shall ensure records classified as Privacy Act system of records are maintained in accordance with FAR 52.224.2 "Privacy Act."
- (b) Contractor-owned records. The following records are considered the property of the contractor and are not within the scope of paragraph (a) of this clause.
  - (1) Employment-related records (such as worker's compensation files; employee relations records, records on salary and employee benefits; drug testing records, labor negotiation records; records on ethics, employee concerns; records generated during the course of responding to allegations of

research misconduct; records generated during other employee related investigations conducted under an expectation of confidentiality; employee assistance program records; and personnel and medical/health related records and similar files), and non-employee patient medical/health-related records, except those records described by the contract as being operated and maintained by the Contractor in Privacy Act system of records.

- (2) Confidential contractor financial information, internal corporate governance records and correspondence between the contractor and other segments of the contractor located away from the DOE facility (i.e., the contractor's corporate headquarters);
  - (3) Records relating to any procurement action by the contractor, except for records that under 48 CFR 970.5232-3 are described as the property of the Government; and
  - (4) Legal records, including legal opinions, litigation files, and documents covered by the attorney-client and attorney work product privileges; and
  - (5) The following categories of records maintained pursuant to the technology transfer clause of this contract:
    - (i) Executed license agreements, including exhibits or appendices containing information on royalties, royalty rates, other financial information, or commercialization plans, and all related documents, notes and correspondence.
    - (ii) The contractor's protected Cooperative Research and Development Agreement (CRADA) information and appendices to a CRADA that contain licensing terms and conditions, or royalty or royalty rate information.
    - (iii) Patent, copyright, mask work, and trademark application files and related contractor invention disclosures, documents and correspondence, where the contractor has elected rights or has permission to assert rights and has not relinquished such rights or turned such rights over to the Government.
- (c) Contract completion or termination. Upon contract completion or termination, the contractor shall ensure final disposition of all Government-owned records to a Federal Record Center, the National Archives and Records Administration, to a successor contractor, its designee, or other destinations, as directed by the Contracting Officer. Upon the request of the Government, the contractor shall provide either the original contractor-owned records or copies of the records identified in paragraph (b) of this clause, to DOE or its designees, including successor contractors. Upon delivery, title to such records shall vest in DOE or its designees, and such records shall be protected in accordance with applicable federal laws (including the Privacy Act) as appropriate. If the contractor chooses to provide its original contractor-owned records to the Government or its designee, the contractor shall retain future rights to access and copy such records as needed.
- (d) Inspection, copying, and audit of records. All records acquired or generated by the Contractor under this contract in the possession of the Contractor, including those described at paragraph (b) of this clause, shall be subject to inspection, copying, and audit by the Government or its designees at all reasonable times, and the Contractor shall afford the Government or its designees reasonable facilities for such inspection, copying, and audit; provided, however, that upon request by the Contracting Officer, the Contractor shall deliver such records to a location specified by the Contracting Officer for inspection, copying, and audit. The Government or its designees shall use such records in accordance with applicable federal laws (including the Privacy Act), as appropriate.

- (e) Applicability. This clause applies to all records created, received and maintained by the contractor without regard to the date or origination of such records including all records acquired from a predecessor contractor.
- (f) Records maintenance and retention. Contractor shall create, maintain, safeguard, and disposition records in accordance with 36 Code of Federal Regulations (CFR) Chapter XII, -- Subchapter B, "Records Management" and the National Archives and Records Administration (NARA)-approved Records Disposition Schedules. Records retention standards are applicable for all classes of records, whether or not the records are owned by the Government or the contractor. The Government may waive application of the NARA-approved Records Disposition Schedules, if, upon termination or completion of the contract, the Government exercises its right under paragraph (c) of this clause to obtain copies of records described in paragraph (b) and delivery of records described in paragraph (a) of this clause.
- (g) Subcontracts.
- (1) The contractor shall include the requirements of this clause in all subcontracts that contain the Radiation Protection and Nuclear Criticality clause at 952.223–72, or whenever an on-site subcontract scope of work (i) could result in potential exposure to: A) radioactive materials; B) beryllium; or C) asbestos or (ii) involves a risk associated with chronic or acute exposure to toxic chemicals or substances or other hazardous materials that can cause adverse health impacts, in accordance with 10 CFR part 851. In determining its flow-down responsibilities, the Contractor shall include the requirements of this clause in all on-site subcontracts where the scope of work is performed in: (A) Radiological Areas and/or Radioactive Materials Areas (as defined at 10 CFR 835.2); (B) areas where beryllium concentrations exceed or can reasonably be expected to exceed action levels specified in 10 CFR 850; (C) an Asbestos Regulated area (as defined at 29 CFR 1926.1101 or 29 CFR 1910.1001); or (D) a workplace where hazard prevention and abatement processes are implemented in compliance with 10 CFR 851.21 to specifically control potential exposure to toxic chemicals or substances or other hazardous materials that can cause long term health impacts.
  - (2) The Contractor may elect to take on the obligations of the provisions of this clause in lieu of the subcontractor, and maintain records that would otherwise be maintained by the subcontractor.

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## **Attachment J-2**

### **List of Deliverables**

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The following Contract Deliverables list summarize the specific products the Contractor shall submit to the U.S. Department of Energy (DOE), and the date/timeframe the Contractor is required to submit the product over the life of the contract, inclusive of all task orders, and the type of action DOE will perform.

The DOE review period for Contract Deliverables shall be 30 days unless otherwise specified in the Deliverables or other agreement, such as the Partnering Agreement. Omission of applicable deliverables from this Section J Attachment entitled, *List of 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 DOE action is defined as:

- **Approve** – The Contractor shall provide the deliverable to DOE for review and approval. DOE will review the deliverable and provide comments in writing. DOE will discuss the comments with the Contractor, and the Contractor shall provide written responses. The Contractor shall rewrite the document to incorporate DOE mandatory comments and resubmit for DOE approval. Once approved by DOE, the deliverable shall be placed under change control, and no changes shall be made 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.

| Deliverable Number | Deliverable                                                                | Driver Requirement | Deliverable Due                                                               | DOE Action  | Notes |
|--------------------|----------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------|-------------|-------|
| T-1                | Graded Approach for Implementation of Contract Requirements Plan           | C.1.1              | Prior to the end of contract transition                                       | Approve     |       |
| T-2                | Transition Plan                                                            | C.2.1              | Within 14 calendar days after the effective date of the transition task order | Approve     |       |
| T-3                | Written Notification of Adoption of the Incumbents Programs and Procedures | C.2.1              | Prior to the end of contract transition                                       | Information |       |

| Deliverable Number | Deliverable                                                                                                                                                                   | Driver Requirement                                             | Deliverable Due                                                                                                                                                                               | DOE Action  | Notes                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------|
| T-4                | Interface Agreements with <ul style="list-style-type: none"> <li>• INL contractor</li> <li>• Ft. St. Vrain Physical Security contractor</li> <li>• Navy Contractor</li> </ul> | C.2.1<br>C.7.2.01.01<br>C.7.2.01.02<br>C.9.1.01.01<br>C.9.2.02 | - Within 7 calendar days after agreement established<br>- Any agreement that requires DOE review and/or approval shall be submitted at least 30 days prior to the end of contract transition. | Approve     |                                                                                                   |
| T-5                | Interface Agreement for INL Mandatory and Options Site Services                                                                                                               | C.2.1                                                          | At least 30 days prior to end of transition task order                                                                                                                                        | Review      | DOE will review prior to providing concurrence on the interface agreement                         |
| T-6                | Weekly status reports of transition activities                                                                                                                                | C.2.1                                                          | Weekly during contract transition                                                                                                                                                             | Information |                                                                                                   |
| T-7                | Certified Permit Modification Requests per Exhibit C-1                                                                                                                        | C.2.1; J Attachment J-8; H.56 (a)                              | At least 30 days prior to end of transition task order                                                                                                                                        | Approve     |                                                                                                   |
| T-8                | Task Order Proposal for Implementation Period                                                                                                                                 | H.51 Task Ordering Procedure                                   | 14 days after Request for Task Order Proposal (RTP), or as directed by the CO                                                                                                                 | Approve     |                                                                                                   |
| T-9                | RESERVED                                                                                                                                                                      |                                                                |                                                                                                                                                                                               |             |                                                                                                   |
| T-10               | Task Order Proposal for Integration and Mission Continuity                                                                                                                    | H.51 Task Ordering Procedure                                   | 30 days after Request for Task Order Proposal (RTP), or as directed by the CO                                                                                                                 | Approve     |                                                                                                   |
| T-11               | Worker Safety and Health Plan (WSHP)                                                                                                                                          | C.9.3.05<br>H.36(a)<br>10 CFR 851                              | At least 30 days prior to end of transition task order                                                                                                                                        | Approve     | The WSHP must be approved by DOE by the end of contract transition date.                          |
| T-12               | Emergency Management Program                                                                                                                                                  | C.9.3.10                                                       | At least 30 days prior to end of transition task order                                                                                                                                        | Approve     | The Emergency Management Plan must be approved by DOE by the end of contract transition date.     |
| T-13               | Continuity of Operations Plan (COOP)                                                                                                                                          | C.2.1<br>C.9.3.10<br>DOE O 150.1                               | At least 30 days prior to end of transition                                                                                                                                                   | Approve     | The Continuity of Operations Plan must be approved by DOE by the end of contract transition date. |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                  | Driver Requirement                                                    | Deliverable Due                                                                                   | DOE Action  | Notes                                                                   |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------|
| T-14               | Quality Assurance Program (QAP)                                                                                                                                                                                                                                                                              | C.9.3.12<br>10 CFR 830<br>DOE O 414.1;<br>and 10 CFR 72,<br>Subpart G | 30 days after the effective date of the transition task order, and review and update QAP annually | Approve     | The QAP must be approved by DOE by the end of contract transition date. |
| T-15               | Radiation Protection Program (RPP)                                                                                                                                                                                                                                                                           | C.9.3.13<br>10 CFR 835                                                | 30 days prior to the end of contract transition                                                   | Approve     | This deliverable is only required if the existing RPP is not adopted    |
| T-16               | Unreviewed Safety Question (USQ) Process                                                                                                                                                                                                                                                                     | C.9.3.14<br>10 CFR 830                                                | When a change is proposed                                                                         | Approve     |                                                                         |
| T-17               | Criticality Safety Program (CSP)                                                                                                                                                                                                                                                                             | C.9.3.15<br>DOE O 420.1                                               | Prior to end of transition                                                                        | Approve     |                                                                         |
| T-18               | Contractor Employee Compensation Plan                                                                                                                                                                                                                                                                        | H.5(a)                                                                | By close of transition                                                                            | Approve     |                                                                         |
| T-19               | List of Subcontractors that will flow down the requirement for continuation of benefits to eligible employees.                                                                                                                                                                                               | H.5(c)(1)                                                             | 30 days prior to end of transition, and with each subsequent task order                           | Information |                                                                         |
| T-20               | Proposed allowable base salaries for each key personnel position listed in the Contract for a determination of cost allowability for reimbursement under the Contract. Also provide compensation market survey data to support/justify the requested salary and any other information as requested by the CO | H.6(b)                                                                | Within 20 days after the effective date of the transition task order                              | Information |                                                                         |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                                                                            | Driver Requirement | Deliverable Due                                                      | DOE Action | Notes |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------|------------|-------|
| T-21               | Workforce Transition<br><br>(a) List of contractor personnel who will be responsible for transitioning the employees of the incumbent contractor;<br><br>(b) Description of transition agreements with incumbent contractors;<br><br>(c) Communications Plan;<br><br>(d) Provide description of the process for regularly obtaining updated information from the incumbent contractor. | H.7(A)(1)          | Within 10 days after the effective date of the transition task order | Approve    |       |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                                                                                                 | Driver Requirement         | Deliverable Due                                                                                                                                                        | DOE Action                | Notes |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------|
| T-22               | Workforce Transition<br>(a) Copies of the draft WF Transition Plan for the Contractor and its first and second tier subcontractors, including processes and procedures regarding how the Contractor will implement and ensure compliance with the hiring preferences set forth in Clauses H.4 and H.9, as applicable,<br><br>(b) Final written communication plan in accordance with H.7(A)(2)(i) and (ii). | H.7(A)(2)                  | Within 15 days after the effective date of the transition task order                                                                                                   | (a) Review<br>(b) Approve |       |
| T-23               | Final WF Transition Plan                                                                                                                                                                                                                                                                                                                                                                                    | H.7(A)(3)                  | Within 30 days after the effective date of the transition task order                                                                                                   | Approve                   |       |
| T-24               | Final transition agreements                                                                                                                                                                                                                                                                                                                                                                                 | H.7(A)(4),<br>H.7(B)(1)(G) | Within 60 days after the effective date of the transition task order                                                                                                   | Information               |       |
| T-25               | Reports on implementation of the hiring preferences                                                                                                                                                                                                                                                                                                                                                         | H.7(A)(5)                  | (A) During the 90-day Contract Transition Period such reports shall be provided to the CO on a weekly basis;<br>or<br><br>(B) Less frequently, if requested by the CO. | Information               |       |
| T-26               | Final Benefits Transition Plan                                                                                                                                                                                                                                                                                                                                                                              | H.7(B)                     | Within 30 days after the effective date of the transition task order                                                                                                   | Approve                   |       |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Driver Requirement | Deliverable Due                                                                | DOE Action  | Notes |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------|-------------|-------|
| T-27               | Draft Benefits Transition Plan, describing in detail the Contractor's plans and procedures as to how the Contractor will comply with Clause H.5, Employee Compensation: Pay and Benefits, and Section H.7, Paragraph (B).                                                                                                                                                                                                                                                                        | H.7(B)             | Within 20 days after the effective date of the transition task order           | Review      |       |
| T-28               | (i) List of contractor personnel responsible for transitioning pension and other benefits;<br>(ii) information and documents necessary for the Contractor to adhere to the requirements set forth in this Contract pertaining to sponsoring existing benefits plans and the establishment of any new benefits plans<br>(iii) Estimated costs and detailed breakouts of the costs to accomplish workforce and benefits transition activities (including costs for enrolled actuaries and counsel) | H.7(B)(1)(A)       | (i)-(iii) Within 10 days after the effective date of the transition task order | Information |       |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Driver Requirement       | Deliverable Due                                                          | DOE Action  | Notes |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------|-------------|-------|
| T-29               | List of the information and documents that the Contractor has requested from the incumbent contractors, pertaining to the existing benefit plans.                                                                                                                                                                                                                                                                                                                                                                                | H.7(B)(1)(B)             | (i) Within 15 days after the effective date of the transition task order | Information |       |
| T-30               | Detailed description of its plans, processes, timeframes and specific projected dates for all activities to comply with the Clause H.5 and H.6. Identify relevant Contractor personnel or other personnel who will administer or assist in administering the benefit plans for the ICP segment of the INL Employee Retirement Plan, including the Contractor's benefit plan administrators and personnel, head of human resources, ERISA counsel, actuaries, and any and all other personnel deemed necessary by the Contractor. | H.7(B)(1)(C)(ii) - (iii) | Within 20 days after the effective date of the transition task order     | Information |       |
| T-31               | Minutes of meeting to discuss execution of transition agreements with the incumbent contractor and other applicable entities.                                                                                                                                                                                                                                                                                                                                                                                                    | H.7(B)(1)(C)(iv)         | Two days after the meeting                                               | Information |       |



| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                         | Driver Requirement | Deliverable Due                                                      | DOE Action  | Notes                                                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-32               | Final Benefits Transition Plan (continued).                                                                                                                                                                                                                                                                                         | H.7(B)(1)(D)       | Within 30 days after the effective date of the transition task order | Approve     | As part of the final Benefits Transition Plan, a written description of how the existing pension and other benefit plans will be amended or restated on or before the last day of the Transition Period |
| T-33               | Draft amendments or restatements of the pension and other benefit plans presently sponsored by the incumbent contractors. If applicable, the Contractor shall also submit all draft restated benefit plans and draft Summary Plan Descriptions (SPDs) for pension and other benefit plans sponsored by the Incumbent Contractor(s). | H.7(B)(1)(E)(i)    | Within 30 days after the effective date of the transition task order | Information |                                                                                                                                                                                                         |
| T-34               | Drafts of any new benefit plan(s) as well as draft Summary Plan Documents (SPD) that the Contractor proposes to sponsor.                                                                                                                                                                                                            | H.7(B)(1)(E)(ii)   | Within 45 days after the effective date of the transition task order | Information |                                                                                                                                                                                                         |

| Deliverable Number | Deliverable                                                                                                                                                                                                                            | Driver Requirement                    | Deliverable Due                                                                                          | DOE Action  | Notes                                                                                                                                                                                                       |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-35               | Draft copies of the transition agreements entered into with Fluor Idaho and Spectra Tech, to ensure compliance with Clause H.5, <i>Employee Compensation: Pay and Benefits.</i>                                                        | H.7(B)(1)(E)(iii)                     | Within 45 days after the effective date of the transition task order                                     | Information |                                                                                                                                                                                                             |
| T-36               | Final versions of listed documents.                                                                                                                                                                                                    | H.7(B)(1)(F)                          | No later than 45 days after the effective date of the transition task order and prior to the adoption    | Approve     |                                                                                                                                                                                                             |
| T-37               | Copies of all insurance policies (including Worker's Compensation Insurance)                                                                                                                                                           | H.12(a),<br>H.13(a)(5),<br>H.13(a)(7) | - No later than 30 days after purchase date<br>- Prior to commencement of work at the end of transition. | Approve     | Contractor shall have coverage in accordance with Section H. 12 (a), by the end of transition for at least a one-year period. Contract also requires continuous coverage throughout the performance period. |
| T-38               | Contractor shall submit to the Contracting Officer for approval any proposed modifications to the current Environmental Regulatory Structure and Interface Protocol for the ICP Core Contractor incorporated as Exhibit C-6 to the PWS | H.56 (a)                              | Within 60 days after the effective date of the transition task order                                     | Approve     |                                                                                                                                                                                                             |
| T-39               | Litigation Management Plan                                                                                                                                                                                                             | Section H.61(a);<br>10 CFR 719        | Within 60 days of contract award                                                                         | Approve     |                                                                                                                                                                                                             |

| Deliverable Number | Deliverable                                                      | Driver Requirement                                             | Deliverable Due                                                                                        | DOE Action | Notes                                                                                                                |
|--------------------|------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------|
| T-40               | Affirmative Action Plan for Females & Minorities                 | Section I.49<br>FAR 52.222-26<br>Section I.55<br>FAR 52.222-36 | Within 30 days of the effective date of the transition task order and updated annually by September 30 | Approve    |                                                                                                                      |
| T-41               | Affirmative Action Plan for Veterans                             | Section I.50<br>FAR 52.222-35                                  | Within 30 days of the effective date of the transition task order and updated annually by September 30 | Approve    |                                                                                                                      |
| T-42               | Workplace Substance Abuse Program                                | FAR 52.223-6<br>DOE O 350.1<br>10 CFR 707<br>H.50<br>49 CFR 40 | Within 30 days of the effective date of the transition task order and updated annually                 | Approve    |                                                                                                                      |
| T-43               | Employee Assistance Program Implementation Plan                  | DOE 350.1                                                      | Within 60 days of the effective date of the transition task order                                      | Approve    |                                                                                                                      |
| T-44               | Employee Concerns Program as required by DOE Order 442.1B        | DOE Order 442.1B                                               | 30 days prior to end of contract transition                                                            | Approve    | Includes any revisions to the Employee Concerns Program implementing documentation (excludes administrative changes) |
| T-45               | Conduct of Operations Matrix                                     | DOE O 422.1<br>Chg.3                                           | Within 60 days of the effective date of the transition task order                                      | Approve    |                                                                                                                      |
| T-46               | Copy of Code of Business Ethics and Conduct                      | I.11<br>FAR 52.203-13                                          | Within 30 days of the effective date of the transition task order                                      | Review     |                                                                                                                      |
| T-47               | Organizational Conflict of Interest (OCI) Management Plan (Plan) | H.29                                                           | Within 15 calendar days after the effective date of the transition task order                          | Approve    |                                                                                                                      |
| T-48               | Risk Management Plan                                             | C.9.2.01.05                                                    | Within 30 days of the effective date of the transition task order                                      | Approve    |                                                                                                                      |
| T-49               | Adopt and be in compliance with the INL Site Security Plan       | C.9.2.02.01                                                    | By the end of contract transition                                                                      | Review     |                                                                                                                      |
| T-50               | Safety Basis Documents                                           | 10 CFR 830<br>DOE O 420.1                                      | Within 30 days of the effective date of the transition task order                                      |            |                                                                                                                      |

| Deliverable Number | Deliverable                                                                                                    | Driver Requirement | Deliverable Due                                                                                                              | DOE Action  | Notes                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------|
| T-51               | ISMS program description document, including safety performance, objectives, measures, and commitments (SPOMC) | DEAR 970.5223-1    | Within 60 days after the effective date of the transition task order. Reoccurring deliverable should follow Deliverable #94. | Approve     | Assumes adoption of existing ISMSDD at end of contract transition. |
| T-52               | Contractor Assurance System Description (CAS D)                                                                | DOE O 226.1        | Within 60 days after the effective date of the transition task order and updated annually                                    | Approve     | Assumes adoption of existing CAS D at end of contract transition.  |
| T-53               | Declaration of Readiness to Execute Contract                                                                   | C.2.1              | 10 days prior to end of Transition Task Order                                                                                | Approve     |                                                                    |
| T-a                | Estimating System                                                                                              | H.16(d)(2)         | No later than 60 days after the effective date of the Transition Task Order                                                  | Review      |                                                                    |
| T-b                | Accounting System                                                                                              | H.18(b)            | No later than 60 days after the effective date of the Transition Task Order                                                  | Review      |                                                                    |
| T-c                | Purchasing System                                                                                              | H.19(b)            | No later than 60 days after the effective date of the Transition Task Order                                                  | Review      |                                                                    |
| T-d                | 10-year End State Strategic Task Order Plan                                                                    | C.2.1              | No later than 45 days after the effective date of the Transition Task Order                                                  | Review      |                                                                    |
| T-e                | COVID-19 Workforce Safety Plan                                                                                 | C.2.1              | No later than 14 calendar days after the start of transition                                                                 | Information |                                                                    |

| Deliverable Number | Deliverable                                                                                                                                                    | Driver Requirement  | Deliverable Due                               | DOE Action  | Notes                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 54                 | Subsurface Disposal Area (SDA) cap Construction related regulatory documents (e.g., Remedial Action Work Plan)                                                 | C.4.2               | As required                                   | Approve     | These documents are identified as stated in Section C.4.2 (e.g., in Remedial Design Report, Section 6) and may not be a complete list. |
| 55                 | Subsurface Disposal Area (SDA) cap Construction related regulatory documents necessary to obtain approval of CD-1, 2-, 3, and 4 (e.g., Hazard Analysis Report) | C.4.2               | As required                                   | Approve     | These documents are identified as stated in Section C.4.2 (e.g., in Remedial Design Report, Section 6) and may not be a complete list. |
| 56                 | Comprehensive Remedial Action Report for Operable Unit 7-13/14                                                                                                 | C.4.2               | December 31, 2028                             | Approve     |                                                                                                                                        |
| 57                 | SDA well decommissioning plan                                                                                                                                  | C.4.2               | As required                                   | Approve     |                                                                                                                                        |
| 58                 | Rebound Study Report                                                                                                                                           | C.4.2.01            | March 31, 2024                                | Approve     |                                                                                                                                        |
| 59                 | Long Term Monitoring plan                                                                                                                                      | C.4.2.02            | As required                                   | Approve     |                                                                                                                                        |
| 60                 | Document SDA well decommissioning in annual INL Water Use report and Comprehensive Well Inventory                                                              | C.4.2               | As required                                   | Approve     |                                                                                                                                        |
| 61                 | Renewed US Army Corps of Engineers determination that spreading areas are not waters of the US                                                                 | C.4.2               | No later than June 13, 2022                   | Information |                                                                                                                                        |
| 62                 | Monthly report required by FFA/CO Section 17.1                                                                                                                 | FFA/CO Section 17.1 | By the 15 <sup>th</sup> day of each month     | Information |                                                                                                                                        |
| 63                 | DOE Order 435.1, ICDF DOE Order 435.1 annual report                                                                                                            | C.4.3               | April 30, 2022, and every April 30 thereafter | Information |                                                                                                                                        |

| Deliverable Number | Deliverable                                                                                                                     | Driver Requirement | Deliverable Due                                                                                              | DOE Action    | Notes |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|---------------|-------|
| 64                 | 2025 CERCLA 5-year review document                                                                                              | C.4.4.06 04        | June 15, 2025                                                                                                | Approve       |       |
| 65                 | The Contractor shall prepare a plug-in remedy memorandum and Explanation of Significant Differences for CERCLA Plug-in remedies | C.4.4.04           | As required                                                                                                  | Approve       |       |
| 66                 | New Site Part As                                                                                                                | C.4.4.04           | 30 days after discovery of a new site                                                                        | Informational |       |
| 67                 | New Site Part Bs                                                                                                                | C.4.4.04           | 30 days after discovery of a new site                                                                        | Informational |       |
| 68                 | Buried Waste Exhumation Phase I Interim Remedial Action Report                                                                  | C.5.2              | December 31, 2023                                                                                            | Approve       |       |
| 69                 | RCRA closure plan(s) for remaining RWMC RCRA facilities                                                                         | C.5.1.01; C.5.6    | As required                                                                                                  | Approve       |       |
| 70                 | Transportation Safety Document                                                                                                  | C.5.1.04           | A minimum of 30 days prior to the first inter-site transfer                                                  | Approve       |       |
| 71                 | Professional Engineer's Certification to the state of Idaho in accordance with the final approved RCRA Closure Plan             | C.6.3              | In accordance with the final approved RCRA Closure Plan                                                      | Approve       |       |
| 72                 | Final Version of DOE/ID-11460 HWMA/RCRA Closure Plan                                                                            | C.6.3              | As required                                                                                                  | Approve       |       |
| 73                 | Final Version of DOE/ID-11477 HWMA/RCRA Closure Plan                                                                            | C.6.3              | As required                                                                                                  | Approve       |       |
| 74                 | Final Incident Reports related to Any security incident                                                                         | C.7.2.01.01        | As required                                                                                                  | Information   |       |
| 75                 | Hardware and software lifecycle replacement/upgrade plan                                                                        | C.9.1.01           | Within 90 days after the end of contract transition, and updated June 30, 2023, and every June 30 thereafter | Review        |       |

| Deliverable Number | Deliverable                                                                         | Driver Requirement                 | Deliverable Due                                                                                                                                                                                      | DOE Action                                                               | Notes |
|--------------------|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------|
| 76                 | Cyber Security Program                                                              | C.9.1.01                           | Within 90 days after the end of contract transition, and updated June 30, 2023, and every June 30 thereafter                                                                                         | Review                                                                   |       |
| 77                 | Cyber Incident Report                                                               | C.9.1.01                           | Monthly, by the 15th                                                                                                                                                                                 | Review                                                                   |       |
| 78                 | Records Management Plan Inventory and File Plan, and Electronic Information Systems | C.9.1.02                           | Within 90 days after the end of contract transition                                                                                                                                                  | Approve                                                                  |       |
| 79                 | Electronic Information Systems list.                                                | C.9.1.02.06                        | Annually                                                                                                                                                                                             | Information                                                              |       |
| 80                 | Monthly EEOICPA financial statements                                                | C.9.1.02.12                        | Monthly                                                                                                                                                                                              | Information                                                              |       |
| 81                 | Earned Value Management System Description                                          | C.9.2.01.01<br>H.17                | As required                                                                                                                                                                                          | Approve                                                                  |       |
| 82                 | Project Management Plan (PMP)                                                       | C.9.2.01.01<br>H.17<br>DOE O 413.3 | Within 90 days after the end of contract transition                                                                                                                                                  | Approve                                                                  |       |
| 83                 | Performance Measurement Baseline                                                    | C.9.2.01.01<br>H.17                | As required and submitted with each Task Order proposal                                                                                                                                              | Approve                                                                  |       |
| 84                 | Fiscal Year Work Plan (FYWP)                                                        | C.9.2.01.01                        | Annually by September 30 or as requested                                                                                                                                                             | Review                                                                   |       |
| 85                 | Monthly Performance Report                                                          | C.9.2.01.02                        | 15 <sup>th</sup> of each month                                                                                                                                                                       | Information                                                              |       |
| 86                 | Integrated Master Plan                                                              | C.9.2.01.04<br>H.17                | As required and updated as changes occur                                                                                                                                                             | Approve                                                                  |       |
| 87                 | Risk Management Plan                                                                | C.9.2.01.05<br>DOE O 413.3         | Annual update by September 30; if there are no significant changes from the previous year, submittal of the entire plan is not required, however, an updated risk register shall still be submitted. | Approve                                                                  |       |
| 88                 | Contractor Personal Property Management System                                      | C.9.2.03<br>FAR 52.245-1           | Within 90 days after the end of contract transition                                                                                                                                                  | Approve                                                                  |       |
| 89                 | Nuclear Maintenance Management Program (NMMP) description documents                 | C.9.2.04;<br>DOE O 433.1           | Within 60 days after the effective date of the transition task order<br>And at least every 3 years or as directed by DOE.                                                                            | Approve<br>(Minor changes or correction do not require new DOE approval) |       |
| 90                 | Phase-out Transition Plan                                                           | C.9.2.05.01                        | At least 60 days prior to end of contract period                                                                                                                                                     | Approve                                                                  |       |



| Deliverable Number | Deliverable                                                                                                             | Driver Requirement                  | Deliverable Due                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DOE Action                    | Notes                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| 91                 | Closeout Plan                                                                                                           | C.9.2.05.02                         | Within 60 days prior to the end of contract period                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Approve                       |                                                                                                           |
| 92                 | Permits and Compliance Documents                                                                                        | C.9.3.03<br>H.56                    | TBD (as required) Note that permit applications shall be provided to DOE initially not later than 90 days prior to the date they are to be submitted to the regulatory agency. Final regulatory documents shall be provided to DOE at least 30 days prior to the date of submittal to the regulatory agencies for DOE's final review and signature or concurrence. (The 30-day time frame can be modified on a case-by-case basis with prior agreement between DOE and the Contractor). Contractor will maintain a system for tracking the due dates and delivery of permits and other environmental related compliance documents. | Approve                       |                                                                                                           |
| 93                 | Certified data for regulatory reporting                                                                                 | C.9.3.04<br>DOE O 436.1             | As required by regulatory document(s). Contractor will maintain a system for tracking the due dates and delivery of certified data for regulatory reporting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Review                        |                                                                                                           |
| 94                 | The proposed Safety Performance, Objectives, Measures, and Commitments (SPOMC)                                          | C.9.3.07;<br>48 CFR<br>970.5223-1   | Within one month prior to the end of each Government fiscal year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Approve                       | May be waived for first year if less than 6 months of performance                                         |
| 95                 | (a) Contractor Assurance System and ISMS Effectiveness Declarations<br><br>(b) CAS and ISMS program description updates | 48 CFR<br>970.5223-1<br>DOE O 226.1 | (a) Within two months following the end of each Government fiscal year<br><br>(b) Updates are required for non-editorial changes prior to implementation                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (a) Review<br><br>(b) Approve | (a) None<br><br>(b) Editorial changes, that do not reduce or change commitments, do not require approval. |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                          | Driver Requirement         | Deliverable Due                                                                                                                                                                                                                                         | DOE Action  | Notes |
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| 96                 | Revision to the Radiation Protection Program                                                                                                                                                                                                                         | C.9.3.13<br>10 CFR 835     | Within 180 days after the end of contract transition if the existing RPP is adopted during contract transition.                                                                                                                                         | Approve     |       |
| 97                 | Any changes to the established Unreviewed Safety Question (USQ) Process                                                                                                                                                                                              | C.9.3.14<br>10 CFR 830     | When a change is proposed                                                                                                                                                                                                                               | Approve     |       |
| 98                 | Any changes to the Criticality Safety Program plans                                                                                                                                                                                                                  | C.9.3.15<br>DOE O 420.1    | When a change is proposed                                                                                                                                                                                                                               | Approve     |       |
| 99                 | Environmental Sustainability Plan                                                                                                                                                                                                                                    | DOE O 436.1                | Annually                                                                                                                                                                                                                                                | Information |       |
| 100                | Submission of vouchers                                                                                                                                                                                                                                               | G.5<br>G.6<br>FAR 52.216-7 | Not more frequently than Bi-weekly (Twice per month)                                                                                                                                                                                                    | Approve     |       |
| 101                | (1) An Annual Contractor Salary-Wage Increase Expenditure Report<br>(2) A list of the five most highly compensated executives. An Annual Report of Contractor Expenditures for Employees Supplemental Compensation<br>(3) Annual Report of Compensation and Benefits | H.5(d)                     | (1) Annually, no later than March 1 of each year<br>(2) At the time of contract award and at the time of any subsequent change to their total cash compensation<br>(3) No later than March 1 of each year in iBenefits<br><br>Notice to DOE when filed. | Information |       |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                      | Driver Requirement | Deliverable Due                                                                                                                                                                                                            | DOE Action | Notes |
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| 102                | (A) Any proposed major compensation program design changes prior to implementation.<br>(D) An Annual Compensation Increase Plan (CIP).<br>(F) Individual compensation actions for the top contractor official (e.g., laboratory director/plant manager or equivalent) and key personnel not included in the CIP. | H.5(e)(3)(i)       | (A) prior to implementation<br>(D) Annually, no later than March 1 of each year<br>(F) initial contract award and when key personnel are replaced during the life of the contract                                          | Approve    |       |
| 103                | Employee Benefits Value (Ben-Val) Study                                                                                                                                                                                                                                                                          | H.5(g)(3)(i)       | Every two years for each benefit tier                                                                                                                                                                                      | Approve    |       |
| 104                | Corrective Action Plan if net Benefit Value exceeds comparator group by 5%                                                                                                                                                                                                                                       | H.5(g)(3)(ii)(A)   | As required by CO following results of biennial Ben-Val Study                                                                                                                                                              | Approve    |       |
| 105                | Employee Benefits Cost Study Comparison                                                                                                                                                                                                                                                                          | H.5(g)(3)(ii)      | Updated studies to the Contracting Officer for approval prior to the adoption of any change to a pension or other benefit plan<br><br>Annually, the earlier of April 30th or within 15 days of receipt of draft Cost Study | Approve    |       |
| 106                | Cost Analysis and Corrective Action Plan if average total benefit per capita or total benefit costs as a percent of payroll exceed comparator group by 12% or more.                                                                                                                                              | H.5(g)(3)(ii)(B)   | When the average total benefit per capita cost or total benefit cost as a percent of payroll exceeds the comparator group by more than five percent or if directed by the CO                                               | Approve    |       |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                                               | Driver Requirement | Deliverable Due                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DOE Action  | Notes |
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| 107                | ERISA section 103 audit results. In years in which a limited scope audit is conducted, the contractor must provide the contracting officer with a copy of the qualified trustee or custodian's certification regarding the investment information that provides the basis for the plan sponsor to satisfy reporting requirements under ERISA section 104. | H.5(i)(2)          | Annually<br><br>Provide input to INL contractor by the due date specified by the INL Contractor. Notice of input will be provided to DOE.                                                                                                                                                                                                                                                                                                                        | Information |       |
| 108                | The Pension Management Plan (PMP)                                                                                                                                                                                                                                                                                                                         | H.5(i)(6)          | Annually no later than January 31 of each applicable year<br><br>Provide input to INL contractor by the due date specified by the INL Contractor. Notice of input will be provided to DOE.                                                                                                                                                                                                                                                                       | Information |       |
| 109                | Reporting Requirements<br>1) Pension Plan Actuarial Valuation Reports<br>2) Forms 5500<br>3) Forms 5300                                                                                                                                                                                                                                                   | H.5(k)             | As soon as possible after the last day of the plan year by the contractor responsible for each designated pension plan funded by DOE but no later than the dates specified below:<br>(1) by the due date for filing IRS Form 5500<br>(2) no later than that submitted to the IRS<br>(3) no later than that submitted to the IRS<br><br>Provide input to INL contractor by the due date specified by the INL Contractor. Notice of input will be provided to DOE. | Information |       |

| Deliverable Number | Deliverable                                                                                                                                         | Driver Requirement | Deliverable Due                                                                                                                                                                                                  | DOE Action  | Notes |
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| 110                | Proposed changes to pension plans and pension plan funding                                                                                          | H.5(l)(1)          | At least sixty (60) days prior to the adoption of any changes to a pension plan<br><br>Provide input to INL contractor by the due date specified by the INL Contractor. Notice of input will be provided to DOE. | Approve     |       |
| 111                | New benefit plans and changes to plan design or funding methodology.                                                                                | H.5(l)(2)          | At least sixty (60) days prior to the adoption of any changes to a pension plan                                                                                                                                  | Approve     |       |
| 112                | Responses to any comments regarding the Contractor Employee Compensation Plan provided by the Contracting Officer under any of the above paragraphs | H.7(B)(1)(H)       | Within two days of receipt of the comments                                                                                                                                                                       | Information |       |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Driver Requirement | Deliverable Due                                            | DOE Action  | Notes |
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| 113                | <p>(i) Documents relating to benefit plans offered to Contractor Employees, including but not limited to SPDs, all Plan documents, applicable amendments, employee handbooks that summarize benefits provided to employees and other documents that describe benefits provided to employees of the Contractor who perform work on this Contract;</p> <p>(ii) Any and all other documents pertaining to implementation of and compliance with implementation of the compensation and benefit programs identified in Clause H.5,</p> <p>(iii) timely data responses to Departmental annual and ad hoc pension and Post Retirement Benefit (PRB) data requests</p> | H.7(B)(2)(A)       | i-iii Promptly upon the request of the Contracting Officer | Information |       |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                                                                                                                                                                                              | Driver Requirement | Deliverable Due                                                                                                                                                                                          | DOE Action  | Notes |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|
| 114                | Economic Bargaining Parameters prior to Collective Bargaining                                                                                                                                                                                                                                                                                                                                                                            | H.9(c)             | Prior to agreeing to any collective bargaining proposal                                                                                                                                                  | Approve     |       |
| 115                | <p>(h) A copy of all arbitration decisions issued by an arbitrator</p> <p>(i) a "Report of Settlement" after ratification of a collective bargaining agreement by accessing and inputting the information into the Labor Relations module of DOE's iBenefits reporting system</p> <p>(j) A semi-annual report on grievances for which further judicial or administrative proceedings are anticipated, and all final step grievances.</p> | H.9                | <p>(h) within one week of receipt of the decision.</p> <p>(i) During next open quarter</p> <p>(j) immediately on all arbitration requests. The reports are due June 30 and December 31, of each year</p> | Information |       |
| 116                | Business case for a Self-Select Voluntary Separation Program                                                                                                                                                                                                                                                                                                                                                                             | H.10(b)(4)         | 5 business days in advance of notification date                                                                                                                                                          | Information |       |



| Deliverable Number | Deliverable                                                                                                        | Driver Requirement | Deliverable Due                                                                                                                                                                                                                                                                                                                                                                                         | DOE Action  | Notes                                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 117                | Workforce Restructuring Plan (Specific Plan)                                                                       | H.10(d)<br>H.10(e) | When the Contractor determines that a reduction in work force is necessary (greater than 100 employees) Must be submitted to the CO at least 60 days in advance of the first communication given to the employees and public.<br><br>Any other Specific Plans (Fewer than 100 employees) must be submitted to the CO 5 days in advance of the first communication to given to the employees and public. | Approve.    | Approval is required if the contractor plans to reduce the workforce by 100 or more employee through an involuntary separation action within a rolling 12-month period |
| 118                | Office of Management and Budget (OMB) Control Number: 1910-5165, <i>Semi-Annual Davis-Bacon Enforcement Report</i> | H.11(e)            | By April 21 and October 21 of each year.                                                                                                                                                                                                                                                                                                                                                                | Information | Form submittal will be administered through the DOE iBenefits system or its successor system.                                                                          |
| 119                | All new Worker's Compensation policies and all initial proposals for self-insurance                                | H.12(a)            | Prior to implementation                                                                                                                                                                                                                                                                                                                                                                                 | Approve     |                                                                                                                                                                        |
| 120                | Workers' compensation settlement claims <u>above the established threshold.</u>                                    | H.12(c)            | Upon receipt of claim                                                                                                                                                                                                                                                                                                                                                                                   | Approve     |                                                                                                                                                                        |
| 121                | Annual experience reports for each type of insurance                                                               | H.13(b)(1)         | Beginning April 15, 2023, and annually by April 15 thereafter                                                                                                                                                                                                                                                                                                                                           | Information |                                                                                                                                                                        |
| 122                | Annual report of insurance costs and/or self-insurance charges                                                     | H.13(b)(2)         | Annually                                                                                                                                                                                                                                                                                                                                                                                                | Information |                                                                                                                                                                        |
| 123                | Additional claim financial experience data                                                                         | H.13(b)(3)         | As required                                                                                                                                                                                                                                                                                                                                                                                             | Information | Case-by-case basis                                                                                                                                                     |

| Deliverable Number | Deliverable                                                                                                                                                           | Driver Requirement                           | Deliverable Due                                                                                                 | DOE Action  | Notes                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------|
| 124                | Overtime Control Reporting                                                                                                                                            | H.14                                         | Six (6) months after Task Order execution start and annually thereafter no later than November 30 of each year. | Information |                                             |
| 125                | Business Systems                                                                                                                                                      | H.15<br>H.16<br>H.17<br>H.18<br>H.19<br>H.20 | As required and as reviews or audits are completed                                                              | Approve     | Includes corrective action plans and audits |
| 126                | Performance Guarantee Agreement                                                                                                                                       | H.22                                         | Upon entering into proceedings related to bankruptcy                                                            | Information |                                             |
| 127                | The Responsible Corporate Official shall submit to the Contracting Officer a quarterly report using appropriate corporate metrics for DOE review                      | H.23                                         | Quarterly<br>By fiscal period                                                                                   | Review      |                                             |
| 128                | Notify the CO annually if the Privacy Act Systems List is up to date                                                                                                  | H.24                                         | Annually by September 30th                                                                                      | Information |                                             |
| 129                | Community commitment plan                                                                                                                                             | H.31                                         | Annually for plan and semi-annually for progress report                                                         | Information |                                             |
| 130                | Reserved                                                                                                                                                              |                                              |                                                                                                                 |             |                                             |
| 131                | Reserved                                                                                                                                                              |                                              |                                                                                                                 |             |                                             |
| 132                | Reports itemizing information received as confidential or proprietary and setting forth the company or companies from which the Contractor received such information. | H.34(e)                                      | Upon request from the CO                                                                                        | Information |                                             |
| 133                | A copy of occupational safety and health self-assessments and/or inspections of work sites for job hazards for work performed at DOE facilities                       | H.36(c)                                      | Upon request of the CO or COR                                                                                   | Information |                                             |

| Deliverable Number | Deliverable                                                                                                                                                                                                  | Driver Requirement                        | Deliverable Due                                                                                                                                                | DOE Action  | Notes                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|
| 134                | Reports itemizing the confidential or proprietary information the Contractor receives under this contract and identify the source (company, companies or other organizations) of the information.            | H.40(e)                                   | Upon request of the CO                                                                                                                                         | Information |                                          |
| 135                | Written notice to the COR when Contractor no longer requires access to the Government Information Technology Systems.                                                                                        | H.41(b)                                   | Immediately upon access no longer being required                                                                                                               | Information |                                          |
| 136                | Changes to key personnel.                                                                                                                                                                                    | H.44(a)(1)                                | At least 60 days in advance of any changes to key personnel                                                                                                    | Approve     |                                          |
| 137                | Notify Contracting Officer in writing of the potential impact of the Contractor's compliance with the revised list of Directives Section J, Attachment J-3, Requirements Sources and Implementing Documents. | H.45(b)                                   | Within 30 days after receipt of the Contracting Officer's notice                                                                                               | Information |                                          |
| 138                | Regarding workplace substance abuse programs for subcontracts – notify the CO of any subcontract the Contractor believes may be subject to the requirements of 10 CFR part 707                               | H.50(c)(1)<br>10 CFR 707<br>and 49 CFR 40 | In advance of, but not later than 30 days prior to, the award of any subcontract the Contractor believes may be subject to the requirements of 10 CFR part 707 | Information | Unless the CO agrees to a different date |

| Deliverable Number | Deliverable                                                                                                  | Driver Requirement                                                              | Deliverable Due                                                                            | DOE Action  | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 139                | Subcontracted Work Performance Report                                                                        | B.8 Small Business Subcontracting Fee Reduction;<br><br>H.52 Subcontracted Work | Annually by October 31                                                                     | Information | Contractor to report performance against the (1) progress toward meeting the cumulative small business performance percentage in accordance with the Section H Clause entitled, <i>Subcontracted Work</i> ; (2) progress toward meeting the cumulative small business subcontracting goals for the Master IDIQ Contract; and (3) progress toward meeting the required number of active Mentor-Protégé Agreements. Also include Task Order number; name(s) of subcontractor(s); purpose of subcontract(s); and meaningful work performed under subcontract(s). |
| 140                | Provide EEOICPA reports                                                                                      | H.55(b)                                                                         | As directed by CO                                                                          | Information |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 141                | Return all EEOICPA claims to DOE in the Federal Compensation Program Act (FCPA) electronic reporting system. | H.55(g)                                                                         | Within 45 calendar days of the date entered in the Federal Compensation Program Act (FCPA) | Information |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Deliverable Number | Deliverable                                                                                                                                                                                                                                                      | Driver Requirement                                                                              | Deliverable Due                                                                                                                                                                                                                                                                       | DOE Action  | Notes                                                                                           |
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| 142                | The Contractor shall provide DOE copies of all environmental permits, authorizations, and regulatory approvals issued to the Contractor by the regulatory agencies.                                                                                              | H.56(d)                                                                                         | Upon issuance                                                                                                                                                                                                                                                                         | Information |                                                                                                 |
| 143                | Mentor Protégé Lessons Learned Evaluations                                                                                                                                                                                                                       | H.60;<br>DEAR Subpart 919.70                                                                    | At the end of the Mentor Protégé contract<br><br>At the conclusion of the Master IDIQ Contract                                                                                                                                                                                        | Information |                                                                                                 |
| 144                | All real estate actions to acquire, utilize, and dispose of real property assets.                                                                                                                                                                                | H.65b) (1)                                                                                      | Prior to real estate action                                                                                                                                                                                                                                                           | Approve     |                                                                                                 |
| 145                | Maintenance Management Program                                                                                                                                                                                                                                   | H.65<br>C.9.2.04<br>DOE O 433.1<br>DOE O 430.1                                                  | Annually                                                                                                                                                                                                                                                                              | Review      |                                                                                                 |
| 146                | Occurrence Reporting Processing System (ORPS) Reports                                                                                                                                                                                                            | DOE O 232.2                                                                                     | As required                                                                                                                                                                                                                                                                           | Information |                                                                                                 |
| 147                | Submit the Individual Subcontract Report (ISR) and/or the Summary Subcontract Report (SSR), in accordance with paragraph (l) of this clause using the Electronic Subcontracting Reporting System (eSRS) at <a href="http://www.esrs.gov">http://www.esrs.gov</a> | Section I clause FAR 52.219-9 Small Business Subcontracting Plan (Aug 2018) – Alt II (Nov 2016) | Semi-annually during contract performance for the periods ending March 31 and September 30. A report is also required for each contract within 30 days of contract completion. Reports are due 30 days after the close of each reporting period, unless otherwise directed by the CO. | Approve     | One ISR shall be submitted for the master IDIQ contract, incorporating all awarded Task Orders. |
| 148                | Equal Employment Report (EEO-1)                                                                                                                                                                                                                                  | I.75<br>FAR 52.222-26                                                                           | Annually by September 30                                                                                                                                                                                                                                                              | Information |                                                                                                 |
| 149                | Federal Contractor Veterans' Employment Report (VETS-100A Report)                                                                                                                                                                                                | I.82<br>FAR 52.222-37                                                                           | Annually by September 30                                                                                                                                                                                                                                                              | Information |                                                                                                 |

| Deliverable Number | Deliverable                                                                                                                                               | Driver Requirement                          | Deliverable Due                                                                               | DOE Action  | Notes |
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| 150                | Annual Reports on the Product Types and Dollar Value of Any USDA-Designated Biobased Products Purchased by the Contractor During the Previous Fiscal Year | I.92<br>FAR 52.223-2                        | Annually by October 31<br><br>Information to be provided to INL Contractor with notice to DOE | Information |       |
| 151                | RESERVED                                                                                                                                                  |                                             |                                                                                               |             |       |
| 152                | Reports of loss, damage, destruction or theft of property                                                                                                 | I.180<br>FAR 52.245-1 (f)(1) (vi)           | As soon as facts become known                                                                 | Approve     |       |
| 153                | Reports of results for periodic physical inventories of property                                                                                          | I.180<br>FAR 52.245-1(f)(1)(iv)             | NLT January 15 Annually                                                                       | Information |       |
| 154                | Input automated data into the Property Inventory Database System (PIDS)                                                                                   | I.180<br>FAR 52.245-1(f)(1)(iv)             | NLT November 30 Annually                                                                      | Approve     |       |
| 155                | GSA report of DOE property furnished to non-federal activities                                                                                            | 41 CFR 102-36.295                           | NLT October 31 Annually                                                                       | Approve     |       |
| 156                | GSA report of DOE property sales and exchange transactions                                                                                                | 41 CFR 102-39.75                            | NLT October 31 Annually                                                                       | Approve     |       |
| 157                | Plans and procedures for property management business system                                                                                              | I.180<br>FAR 52.245-1 (f)AL-2013-11 Revised | 60 days following effective date of transition task order                                     | Approve     |       |
| 158                | Final property inventory for physically completed or terminated contracts                                                                                 | I.180<br>FAR 52.245-1 (f)(1)(iv)            | 60 days prior to contract completion or upon notice of termination                            | Approve     |       |
| 159                | Fleet reports for assigned motor vehicles (FAST)                                                                                                          | 41CFR 102-34.345                            | NLT December 15 Annually                                                                      | Approve     |       |
| 160                | Special reports for assigned motor vehicles                                                                                                               | 41 CFR 109-38.9                             | As required                                                                                   | Approve     |       |
| 161                | Emergency Management Program                                                                                                                              | C.9.3.10<br>DOE O 151.1                     | Updates as required                                                                           | Approve     |       |

| Deliverable Number | Deliverable                                                          | Driver Requirement             | Deliverable Due                                                               | DOE Action  | Notes                                                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 162                | Fire Protection Summary Information                                  | DOE O 231.1,                   | Annually by April 30                                                          | Information | Fire protection database provided by Office of the Associate Under Secretary for Environment, Health, Safety, and Security                                                                                                   |
| 163                | Conduct of Operations Matrix                                         | DOE O 422.1                    | Beginning March 1, 2022, and every three years thereafter                     | Approve     | The contractor must review, update, and obtain approval of documentation demonstrating conformance to the order when changes in conditions require substantive changes in the documentation, and at least every three years. |
| 164                | External Affairs/Public Affairs program                              | C.9.6.01<br>DEAR<br>952.204-75 | Within 30 days after transition task order                                    | Approve     |                                                                                                                                                                                                                              |
| 165                | Environmental Management System, certified to the ISO 14001 standard | C.9.3.07                       | Certified by February 2022 with recertifications every three years thereafter | Approve     |                                                                                                                                                                                                                              |
| 166                | Worker Safety and Health Program annual update                       | 10 CFR 851                     | Annually                                                                      | Approve     | Approval required if changes are made; if no changes are made, the contractor may notify the contracting officer of such via letter.                                                                                         |
| 167                | List of Closure Facility Hazards                                     | 10 CFR 851.21                  | As required                                                                   | Approve     |                                                                                                                                                                                                                              |



| Deliverable Number | Deliverable                                                                                     | Driver Requirement                                                    | Deliverable Due                                                                                                                 | DOE Action              | Notes                                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 168                | Quality Assurance Program (QAP)                                                                 | C.9.3.12<br>10 CFR 830<br>DOE O 414.1;<br>and 10 CFR 72,<br>Subpart G | Submit a summary of the annual review of the QAP and, if necessary, also submit the modified QAP to the DOE approval authority. | Information/<br>Approve | Editorial changes, that do not reduce or change commitments, do not require approval.                                                                                                   |
| 169                | Updated Documented Safety Analysis/Technical Safety Documents or letter stating no changes made | 10 CFR 830                                                            | Annually or when changes occur                                                                                                  | Approve                 |                                                                                                                                                                                         |
| 170                | Other Safety Basis Documents                                                                    | 10 CFR 830<br>DOE O 420.1                                             | As required                                                                                                                     | Approve                 |                                                                                                                                                                                         |
| 171                | Revision to the Training Program Plan or training procedures for granting exceptions            | DOE O 426.2                                                           | As required                                                                                                                     | Approve                 | DOE approval is required prior to implementation if Contractor revises the nuclear facility training program documents or the training extensions, exceptions, and exceptions procedure |
| 172                | Annual Audit Plan and Annual Audit Report                                                       | C.9.7.02<br>Cooperative Audit Strategy (Acquisition Guide 70.4)       | Annually<br>Plan June 30<br>Report due January 31                                                                               | Review                  |                                                                                                                                                                                         |
| 173                | Contract Funds Status Report                                                                    | DOE O 534.1                                                           | Monthly, by the 15th of each month reporting the prior month's data                                                             | Review                  |                                                                                                                                                                                         |
| 174                | Communications or Releases of Information to the public, the media, or Members of Congress      | H.33                                                                  | 10 days prior to release                                                                                                        | Approve                 |                                                                                                                                                                                         |
| 175                | Small Business Subcontracting Plan                                                              | H.51<br>H.52                                                          | By October 1 of each FY; additionally, with the award of each Task Order                                                        | Approve                 |                                                                                                                                                                                         |
| 176                | Fire Protection Program (FPP)                                                                   | DOE O 420.1,                                                          | 30 days prior to the end of transition                                                                                          | Approve                 |                                                                                                                                                                                         |

| Deliverable Number                          | Deliverable                                                                                                                                       | Driver Requirement | Deliverable Due                                                                                                                                            | DOE Action  | Notes                                                                                                                                                 |
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| 177                                         | Reporting Nonconforming Items                                                                                                                     | FAR 52.246-26      | As required                                                                                                                                                | Information | DOE will transmit the report to the Government-Industry Data Exchange Program                                                                         |
| <b>FORT ST. VRAIN-SPECIFIC DELIVERABLES</b> |                                                                                                                                                   |                    |                                                                                                                                                            |             |                                                                                                                                                       |
| 178                                         | Revisions to FSV Emergency Management Program/Plan, including MOUs for medical, fire, and police services. Must be compliant with the NRC License | NRC License        | As required                                                                                                                                                | Approve     | Deliverable is only required, if Contractor revises the incumbent documents.                                                                          |
| 179                                         | Follow-up Licensee Event Report Documentation                                                                                                     | NRC License        | As required                                                                                                                                                | Approve     | Deliverable is only required, as defined in the FSV Emergency Management Plan.                                                                        |
| 180                                         | Security Training and Qualification Plan, and applicable Security Lesson Plan(s)                                                                  | NRC License        | Annually and as required                                                                                                                                   | Approve     | Deliverable is required, if Contractor revises the security lesson plans. Security Training and Qualification Plan requires annual review and report. |
| 181                                         | Schedule for submission of NRC license-required plans and reports                                                                                 | NRC License        | Within 30 days of the effective date of the transition task order. Monthly; not later than the eighth business day prior to the end of each calendar month | Approve     | Included in the monthly progress reports<br><br><b>This includes a transition deliverable.</b>                                                        |
| 182                                         | Training Schedule for Crane Operations                                                                                                            | NRC License        | As required                                                                                                                                                | Information |                                                                                                                                                       |
| 183                                         | FSV NRC Compliance Report                                                                                                                         | NRC License        | Once within 90 days after contract transition                                                                                                              | Approve     |                                                                                                                                                       |

| Deliverable Number | Deliverable | Driver Requirement | Deliverable Due | DOE Action | Notes |
|--------------------|-------------|--------------------|-----------------|------------|-------|
| 184                | RESERVED    |                    |                 |            |       |
| 185                | RESERVED    |                    |                 |            |       |

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