

## **Attachment 1- Major Elements of Scope**

### **Major Elements of Scope for Contemplated Master IDIQ**

Major Elements of Scope for the master Indefinite Delivery, Indefinite Quantity contract may include, but not limited to, Program Support, Deactivation, Decommissioning, and Removal (DD&R) of Facilities, and Waste Management at various Environmental Management (EM) locations throughout the United States in support of the U.S. Department of Energy (DOE), to also include National Nuclear Security Administration (NNSA), Office of Naval Reactors (NR), and Office of Science (OS). The Contractor shall be required to furnish all personnel, facilities, equipment, material, supplies, and services and otherwise do all things necessary for, or incident to, the performance requirements, except where otherwise noted as Government Furnished Services/Items (GFS/I).

Because of the types of services to be performed, the primary North American Industry Classification System (NAICS) code for this procurement is 562910, *Environmental Remediation Services*. Acquisitions under this industry comprises establishments primarily engaged in one or more of the following: (1) remediation and cleanup of contaminated buildings, mine sites, soil, or ground water; (2) integrated mine reclamation activities, including demolition, soil remediation, wastewater treatment, hazardous material removal, contouring land, and revegetation; and (3) asbestos, lead paint, and other toxic material abatement.

NAICS Code 56, *Administrative and Support and Waste Management and Remediation Services*, and NAICS code 562, *Waste Management and Remediation Services*, provide further information on service objectives.

Upon award of the DD&R contracts, the EM Consolidate Business Center (CBC) will issue Task Orders (TO) with detailed scope defined within the EM Corporate Work Breakdown Structure as described below. The TO may also include detailed scope. The detailed scope may be further defined by the ASTM Classification Standard E2150-02, *Standard Classification for Life-Cycle Environmental Work Elements Environmental Cost Element Structure (ECES)*, to ensure consistency in estimating and documenting performance. Scope may be assigned that is not defined by the ASTM Classification Standard. In that case, scope will contain the same or similar details as those found in the ASTM Classification Standard.

### **EM Corporate Work Breakdown Structure**

Scope for Task Orders may also be defined using EM Program (also referred to as Project) Baseline Summaries (PBSs) so similar projects follow a standard nomenclature for project reporting purposes, as required by the Office of Management and Budget (OMB Circular A 11, Category B project reporting). The EM Life-Cycle Baseline is composed of PBSs for each site by PBS category, e.g., nuclear materials stabilization, solid waste stabilization & deposition, soil & water remediation. Based on site priorities & available funding, the work for each PBS is sequenced to establish the site life-cycle baseline. Each site maintains a life-cycle baseline, which reflects a high-level description, estimated cost, & schedule to complete the site cleanup program. The PBSs are used to categorize various portions of the EM mission in broad budgetary terms. The EM corporate Work Breakdown Structure (WBS) incorporates the PBS into a capital asset project identifier WBS to tie it back to the appropriate funding stream. Each PBS includes all planned expenditures including all DOE Order 413.3B capital asset projects, and all programmatic and operating activities.

The organization and work scope of the entire EM program is defined by EM's WBS for organization and definition of work. The WBS comprises **four** hierarchical levels. **Level 1**, at the highest level, is the EM Program. **Level 2** is the site level. Level 2 (Site) is presented in Table A-1 below and identifies each EM site, associated two letter identifiers, and is where the majority of EM work is being accomplished or being completed.

**Table A-1: EM corporate WBS**

| <b>ID.</b> | <b>DESCRIPTION</b>                   | <b>ID.</b> | <b>DESCRIPTION</b>                 |
|------------|--------------------------------------|------------|------------------------------------|
| AL         | Argonne National Laboratory          | NT         | Nevada Test Site                   |
| BC         | Consolidated Business Center         | OR         | Oak Ridge Reservation              |
| ET         | Energy Technology Engineering Center | PA         | Paducah Gaseous Diffusion Plant    |
| HQ         | Headquarters                         | PO         | Portsmouth Gaseous Diffusion Plant |
| ID         | Idaho National Laboratory            | RL         | Hanford-Richland Operations        |
| LA         | Los Alamos National Laboratory       | RP         | Hanford-Office of River Protection |
| LB         | Lawrence Berkeley Laboratory         | SP         | Separations Process Research Unit  |
| MO         | Moab UMTRA Project                   | SR         | Savannah River Site                |
| WP         | Carlsbad-Waste Isolation Pilot Plant | WV         | West Valley Demonstration Project  |

**Level 3** uses the PBS numbers implemented in 2003, which are intended to define projects by program areas (i.e., Spent Nuclear Fuel, Tank Waste, Demolition & Disposal, etc.) at each site. EM Management was interested in analyzing costs by program area across the complex in order to take advantage of economies of scale and to unify program management efforts. The Level 3 PBSs used at EM sites are shown below in Table A-2.

**Table A-2: Level 3 Program Baseline Summary Descriptions**

| PBS No. | DESCRIPTION   |
|---------|---|
| 0011    | Nuclear Materials Stabilization and Disposition which includes the management and disposition of nuclear materials, and also includes the safe surveillance and maintenance.  |
| 0012    | Spent Nuclear Fuels (SNF) Stabilization and Disposition which includes providing safe shipping, receipt, storage, and disposition of SNF and heavy water. The scope includes all programmatic and physical support efforts related to safe receipt and storage of SNF.  |
| 0013    | Solid Waste Disposition which includes receipt, treatment, storage, and disposal of legacy and newly generated low-level waste (LLW) mixed low-level waste (MLLW), transuranic (TRU) waste, hazardous waste, and sanitary waste. This also includes both contact handled (CH) and remotely handled (RH) wastes.   |
| 0014    | Liquid Waste Disposition which includes treatment and permanent disposal of radioactive liquid waste (LW) stored in storage tanks, including the management of waste in the Tank Farms through transfers, evaporation, and storage to manage tank space safely and efficiently.   |
| 0020    | Safeguards & Security which includes protective forces, physical security systems, information and personnel security, cyber security, and law enforcement.   |
| 0030    | Soil and Water Remediation includes waste regulated under the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This also includes the remediation, if warranted, of groundwater and surface water. Non-nuclear facility demolition and disposal (D&D) may also be included under this PBS. |
| 0040    | Nuclear Facility D&D which includes the deactivation, decontamination, and decommissioning of surplus EM owned nuclear, radiological, and industrial buildings and structures.  |

**Level 4** contains each site’s Analytical Building Blocks (ABB), and each ABB has been identified as either a capital asset project or a subdivision of EM Operating Program.

The EM program is primarily managed at the project/activity level (i.e., WBS Level 3). It is at this level that baselines are developed, reviewed, and managed. Most projects and activities are associated with a single primary contract, but some have multiple primary contracts. In these cases, there may be more than one contract-specific Contract Performance Baseline (CPB) that makes up a larger program or site-specific life-cycle baseline.

**Table A-3: Examples of Currently Funded<sup>1</sup> EM Corporate WBS Scope  
(Note: Examples only; doesn’t signify the requirements will be under DD&R contract)**

| Corporate WBS Identifier                      | Title                                    | Description  |
|---|--|--|
| CB-0090 /<br>Transportation-WIPP              | Carlsbad Field Office                    | The transportation services prime contract                             |
| ID-0012B-N                                    | Idaho Cleanup Project                    | Physical security services at Fort St. Vrain in Colorado               |
| OR-0041                                       | Oak Ridge/Nuclear Facility D&D Y-12      | Characterization, Sampling, and Demolition Blanket Purchase Agreements |
| PA-0040 (Paducah) and<br>PO-0040 (Portsmouth) | Portsmouth Paducah Project Office (PPPO) | Site Support Services  |

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<sup>1</sup> Ref: 2022 DOE Congressional Budget Request