

8.100 PBS SR-0100 Defense Environmental Services-Non-Closure Mission Support

8.100.1 Background

The purpose and scope of this project is to provide support that enables the SRS to perform its missions and accelerated cleanup initiatives. Support activities include the management of all natural resources within the 310 square-mile site, regulatory-driven cultural resources management, and soil and erosion control expertise to meet project permit requirements. Other activities include medical research, geological surveys, training activities, diversity initiatives, and development of a long-term observation network to monitor water level, quality, and flow paths.

8.100.2 End State

Critical support activities will continue through the EM target completion date of FY 2025. Beginning in FY 2026, remaining support activities, e.g., natural resource management, will be transferred to another DOE program office.

8.100.3 Scope and Description

Project scope is accomplished through multiple DOE direct grants, agreements, and contracts. These grants, agreements, and contracts provide critical support to enable SR to perform its missions and accelerated cleanup initiatives. Support activities consist of:

- § Natural Resources Management – involves a comprehensive program conducted to sustain the health, productivity, and diversity of the site’s natural resources to meet regulatory requirements, protect site personnel and facilities, and address site-related natural resources issues that affect off-site stakeholders. Key projects include wildland fire control, secondary road maintenance, site boundary management, soil and erosion control, wildlife and habitat management, and cooperative site management projects involving the South Carolina Department of Natural Resources.
- § Cultural Resources Management – provides the site with the technical expertise to meet Federal and state regulatory requirements for the identification, evaluation, and protection of site archaeological and historic sites and artifacts. Services provided include expedited regulatory reviews of site projects, mapping and protection of archaeological sites, curation of historical and archaeological artifacts, development of cost saving modeling and mitigation approaches, stakeholder interface, and information to support National Environmental Policy Act (NEPA) and Comprehensive Environmental Response and Liability Act (CERCLA) documents.

- § Natural Resource Conservation – provides site projects with the specialized technical expertise to support expedited pollution prevention, storm water management, and erosion control plans required by state regulation. Key projects include updates to the Site Soils Map, providing soils data, runoff rates, erosion control measures, wetlands impacts, and vegetation recommendations to support site permits, and conducting field reviews and erosion control training for site personnel.
- § Medical Research – provides for a multi-disciplinary research program focusing on the understanding of the biological mechanisms of environmentally induced diseases.
- § Training Activities – ensures SR possesses the workforce capability and competence required to achieve the cleanup mission and provides for maintenance of employee training and certification record.
- § Water Observation Activities – provides for research on a broad range of water related issues pertaining to in-situ groundwater cleanup, contaminant transport, risk assessment, landfill cover systems and water quality monitoring.
- § Other – activities include hydrogeological surveys to address emerging issues, organizational performance evaluations, workforce analysis, project management and control support, historical preservation, summer diversity interns, and Historically Black Colleges and Universities (HBCU) grants that support soil and groundwater remediation focusing on phytoremediation, monitored natural attenuation and other natural remediation approaches.

8.100.4 Responsibilities

Program managers for each of the aforementioned support activities identify annual scope and requirements. Acquisition strategies to meet the requirements are then identified and evaluated. A strategy will be selected based on the most cost-effective and efficient approach to meet the support requirements. Strategies will include both internal and external delivery of support. Once a strategy is implemented, the program managers will work closely with the DOE-SR Chief Financial Officer to ensure the support is provided within available funds.

8.100.5 Schedule

Requirements for support provided by this project are evaluated annually. Grants, agreements, and contracts are extended if continued support is required. This PBS is a support function that will be required through the completion of the EM cleanup project through FY 2025.

8.100.6 Resources

Progress has been made in identifying non-essential support activities, allowing associated dollars to be redirected to accelerated cleanup activities. A disciplined, fully integrated management control system has been put in place with an integrated project mindset, which includes a process for prioritizing and approving non-labor activities, establishing cost, schedule, and scope baselines. Only those activities that continue to align with and support the objectives and direction of the EM accelerated

cleanup program are included in funding proposals. After allocations are established, any requests for additional funding for support activities are submitted to the EM-HQ Configuration Control Board for approval.

The cost profile for this PBS is TBD:

The lifecycle baseline cost for the PBS is TBD.

8.100.7 Key Assumptions, Agreements, Alternatives, Trade-offs, and Risk Management

Key Assumptions

The following key assumptions have been used as the basis for the lifecycle cost and schedule development:

- § Continued support for identified programs/functions will be at a level consistent with funding target provided.
- § Efforts to minimize requirements for these programs/functions should continue in order to focus available EM resources on accelerated cleanup.

Risks

The following risks in achieving the PBS objectives have been identified:

- § Project scope is accomplished through multiple DOE direct grants, agreements and contracts. There is some risk associated with the procurement of the needed support. If support cannot be procured, internal resources would be considered to perform necessary scope.
- § Interface with all other EM programs and projects will be critical as there is a close correlation between the support requirements and the completion of the various EM programs and projects.

8.100.8 Performance Monitoring and Evaluation

8.100.8.1 HQ Monitoring and Evaluation

Monitoring of this PBS at the HQ level is performed primarily through use of EM's Integrated Planning, Accountability, and Budgeting System (IPABS). Actual costs are collected for each PBS and compared to the established funding for the fiscal year. Significant variances are explained. Actual cost, schedule, and performance data are also collected for each PBS and compared to the established baseline. All elements of the lifecycle baseline are under EM-HQ configuration control.

8.100.8.2 Site Monitoring and Evaluation

The following reviews are conducted to monitor and evaluate progress.

- § Estimate at Completion (EAC) reviews are conducted quarterly between financial personnel and program managers to evaluate and analyze costs
- § Monthly reports are provided to program managers and financial personnel for analysis
- § Funding allocations are established for each of the activities annually and costs are monitored throughout the year
- § A yearly nonlabor resource review is conducted to help in identifying non-essential EM activities and associated dollars are redirected to accelerated cleanup.

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