

1.0 Purpose

The Department of Defense Executive Agent for Low-Level Radioactive Waste (DOD EALLRW) shall provide services for remediation and restoration at open storage area 7A, including the access road, at the Defense National Stockpile Center (DNSC) New Haven depot in New Haven, Indiana and dispose of the waste material. This does not include a final status survey and sampling plan; final status survey, and final status survey report will be performed by a Defense National Stockpile Center (DNSC) contractor after the remediation is completed. A site map is attached

2.0 Location

Work is to be accomplished for the Defense National Stockpile Center, 8725 John J. Kingman Rd, Fort Belvoir, VA 22060-6221. Work will be performed at the DNSC New Haven depot, 15411 Dawkins Road, New Haven, IN 46774.

3.0 Background

The outside storage area 7A at the DNSC New Haven formerly contained two large piles of baddeleyite ore which were sold in the fall of 2000. The ore contained licensable quantities of thorium and uranium (Th = 0.091%, U = 0.204%) and was controlled under the DNSC Nuclear Regulatory Commission (NRC) license. After removal of the piles, residual ore remained in the storage area and access road at levels that require removal and disposal in order to meet conditions for unrestricted release as specified by the NRC.

Radiological surveys conducted in 2001 as part of a release effort involving other portions of the depot indicate that the ore has not migrated vertically or horizontally. These surveys and others conducted around the depot indicate that only the surface soils (top 15 cm) appear to be contaminated. The lack of migration is consistent with the physical characteristics of the ore and the barrier used to prevent horizontal migration into the wetland area.

4.0 Scope

A contract is required to provide the personnel and equipment necessary to perform remediation and restoration of the outside storage area 7A and the access road. The removal contract and disposal of the waste material will be the responsibility of the DOD EALLRW. Restoration activities shall not occur until completion and acceptance of the final status survey results by the Nuclear Regulatory Commission (NRC). Activities associated with the final radiological survey and sampling plan, survey, and report are not part of this scope.

The DOD EALLRW contractor shall provide all necessary radiation protection services, equipment, and supplies to support the remediation and disposal activities.

The contractor shall provide a Removal Action Work Plan (RAWP) detailing the proposed method of removal and environmental protections to preclude contamination of wetlands areas to the Contracting Officer Representative (COR) for approval prior to initiating field activities. The RAWP shall contain the following sections as a minimum:

- Scope of Work
- Background
- Mobilization Preparations
- Removal Operations
- Waste Operations
- Decontamination, Demobilization, And Site Restoration
- Emergency Response
- Schedule of Work

In addition, the contractor shall provide a project specific Health and Safety Plan (HSP) to the COR along with the RAWP prior to initiating field activities.

The estimated volume of soil to be removed during the remediation is 2,000 cubic yards, an area of approximately 940 feet by 120 feet.

Included in this volume is (1) a 15,000 square foot (approximately 257 x 58) asphalt pad, (2) road and access areas of approximately 940 feet by 25 feet, (3) approximately 940 feet of rail lines on the southern end of the site.

An additional 66 cubic yards of material is contained in a temporary storage cell comprised of railroad ties, plastic and canvas that covers an area approximately 3' x 18' x 30 and 21 five gallon buckets containing ore are stored in outside storage area 7A along with a pile of "contaminated" railroad ties approximately 25 feet by 25 feet by 6 feet high (these ties had been used as a berm around the base of the two zirconium piles). The rail lines include ballast, underlying soil, ties and steel rail.

Uncontaminated steel rail, and railroad ties shall not be removed from the depot as part of the remediation effort. This material shall be placed in an outdoor area as directed by the COR.

The contractor shall propose methods to reduce the amount of waste material for disposal.

The DNSC will provide the services of a health physics contractor to periodically monitor the work and provide the final status survey (in accordance with MARSSIM).

5.0 Skills and Knowledge

Personnel with the appropriate skill set and experience necessary to perform the required remediation and radiation protection services shall be made available as necessary. The contractor shall have documented experience in performing successful remediation of radioactively contaminated sites on government installations. Radiological Services shall be provided by personnel proficient and knowledgeable in the aspects of radiological health and having demonstrated experience working with a NRC license.

6.0 Period of Performance

The work performed shall occur within one year commencing at the agreed upon date of initiation of this contract.

7.0 Hours of Operation

Work will normally be accomplished within duty hours (0730 - 1600) Monday through Friday.

8.0 Post Award Project Initiation Planning

An DNSC representative, COR, and any additional key members involved in this project will attend and/or participate in a post-award pre-project initiation planning session with key Contractor project personnel to verify strategy, reaffirm milestones and schedules, and document a management plan. The meeting will occur prior to performance of work.

This session, and periodic follow-up sessions, will be documented as a management plan, reflecting mutual commitment toward the execution of this task, and coordinated and signed by key attending parties.

The Contractor team shall provide continuing periodic support in maintaining the management plan and linking and integrating the plan with monthly performance/progress reports. The COR will review and provide comments/input to the plan. This plan, work orders, and brief monthly performance reports will serve as the basis or forum for resolving any issues that arise or as the basis for changes that may require renegotiating the scope of work or equitable cost adjustments.

9.0 Procedures

The following is the procedure for the contractor to perform the tasks above:

- The contractor will perform all work. Should the contractor identify potential subcontractor(s) to assist, they will present the selected vendor(s) to the COR and task monitor(s) for concurrence.
- The contractor will deliver the required support and performance reports on a monthly basis to the task monitor as a work verification sheet that summarizes the work performed in the preceding month.
- If the contractor's performance is acceptable, the COR accepts the performance by signing the monthly work verification sheet.
- The contractor supports its monthly invoices with a performance report (written and electronic) and attached signed work verification sheets.

10.0 Acceptance Criteria and Deliverable Performance Reports

- The contractor shall provide tasked requirements in formats and software versions compatible with or currently used by the COR and the Project Manager (i.e., Microsoft Word 7.0, Power Point 7.0, Excel 7.0, Access 7.0 and Adobe .PDF).
- The contractor shall deliver (type written and electronic) performance reports with the original signed work verification sheets to the COR by the eighth working day of the following month.
- The contractor shall deliver a draft final summary report of all work performed under this statement of work to the COR within 15 work days of the end of the period of performance, or the exhaustion of funds, whichever comes first. The COR will review and return the draft to the contractor with comments for final adjustments/corrections within 15 work days.

- Unused funds: The COR will monitor the expenditure of funds. Should the dollar amount expended in accomplishment of any particular work order or in accomplishment of the Delivery Order at the end of the performance period be less than the dollar amount obligated by the Government, the Contractor shall return the unused dollar amount to the Government. All records will be adjusted accordingly.

11.0 Additional Information

DNSC Furnished Information/Equipment. DNSC will provide:

- Technical Points of Contact as required.

Meetings and Reviews: The contractor shall arrange to attend meetings and reviews with the COR, to be held at mutually acceptable dates and times. Generally, meetings will be held in the DNSC conference room.

Travel Requirements: The Contractor shall expect to make day and overnight trips to attend meetings, briefings, and to coordinate with other offices. Travel arrangements will be in accordance with the Joint Travel Regulations. Invitational travel orders will not be issued. Travel costs are to be reflected in the estimated cost. The Contractor shall be solely responsible for the costs for travel.

Unused funds: Should the dollar amount expended in accomplishment of the Delivery Order at the end of the performance period be less than the dollar amount obligated by the Government, those funds will remain with the Government.