

STATEMENT OF WORK
PROJECT NUMBER DLA-2006-001, NEW HAVEN DEPOT, INDIANA
FINAL STATUS SURVEY INVESTIGATION & DECONTAMINATION
PART 2, PHASES 1-4, DEFENSE NATIONAL STOCKPILE CENTER
March 24, 2006

1. PURPOSE

The purpose of this statement of work (SOW) is to acquire services to conduct a survey in accordance with the requirements contained in the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) NUREG 1575, EPA 402-R-97-016 to determine actions necessary to permit the release of storage depot warehouses and property for unrestricted use at New Haven. This will also include actions to remove, characterize, package, transport, and dispose of radioactive waste (if necessary).

2. LOCATION

Work is to be accomplished for the Defense National Stockpile Center (DNSC), 8725 John J. Kingman Rd, Fort Belvoir, VA 22060-6223. Work will be performed at the DNSC New Haven Depot, 15411 Dawkins Road, New Haven, IN 46774-9644. The New Haven depot is located on the north side of Dawkins Road, approximately 2.3 miles east of US Highway 469. The geographic coordinates are approximately 41⁰ 04' 31'' north latitude and 84⁰ 56' 36'' west longitude.

3. BACKGROUND

Cabrera conducted a site visit on 25 January 2006 at New Haven Depot. DLA and HQ, AFSC provided information including a tour of the depot and affected areas. Cabrera conducted interviews with depot personnel; reviewed files, surveys, drawings, and background information. Cabrera provided a report containing all relevant observations and recommendations on how to proceed with any requirements for MARSSIM, decontamination, remediation, re-characterization, disposal, and Final Status Survey portion of the work.

The National Defense Stockpile was established under the Strategic and Critical Materials Stock Piling Act (P.L. 79-520, 23 July 1946) as an attempt to avoid dangerous and costly dependence on foreign sources of essential materials needed during times of national emergency. Prior to 1988, management of the National Defense Stockpile was divided between the Federal Emergency Management Agency (FEMA) and the General Services Administration (GSA). Under Executive Order 19626, the President reassigned management of the Stockpile to the Secretary of Defense. The Defense National Stockpile Center (DNSC) is currently a field activity-level agency under the Defense Logistics Agency (DLA). The New Haven Depot is currently owned by the Federal Government and operated by the DLA, DNSC for the purpose of storing strategic and critical materials necessary for manufacturing defense materials or strategic materials used in national defense.

The DNSC stored Columbian/Tantalum Ores & Concentrates, Tungsten Ores & Concentrates, Zirconium Ore, Sodium Sulfate, Monazite, Tungsten Metal Scrap and Bastnasite which contained sufficient amounts of natural Uranium and Thorium to require licensing under Nuclear Regulatory Commission (NRC) rules. The DNSC stored these materials under the authority of NRC License STC-133. All licensed radioactive material has been removed. DNSC has directed that an investigation be performed at New Haven to ensure that former storage locations are suitable for unrestricted release as specified by the NRC.

The depot is located on approximately 268 acres; a series of rail spurs extending off the Norfolk Southern rail line cross the site along its east-west axis, converging at the site's southwestern and southeastern corners. The site is surrounded by a six foot high fence topped with three-strand barbed wire. A security officer controls access to the site twenty-four hours a day. There are six storage buildings (Warehouses T-210 through T-215, each 180' x 960') with wood; concrete or concrete block structural framing supporting wood roof decks having an aggregate indoor storage capacity of approximately 1,037,000 square feet. The warehouses are subdivided into four equal sections. Each section is accessed through four overhead roll-up metal doors.

Various sections of the warehouses at the DNSC New Haven held the packaged (wood boxes and steel drums) materials which contained licensable quantities of thorium and uranium.

Additionally, various sections of the warehouses once contained stores of raw asbestos and the interior building surfaces of Sections one and four of Warehouse 214 have had an encapsulant applied. In addition, DNSC intends to apply a 2 part epoxy coating on the floors of Sections one, two and three in Warehouse 214. Airborne levels of asbestos during work activities inside some warehouse sections are not expected to exceed the permissible exposure limit of 0.1 fibers/cc (29 CFR 1910.1001(c) (1)) but contractors working in these sections should be aware of these conditions.

The licensed radioactive materials for the most part were not removed from their containers except during some sampling and overpackaging programs.

Outdoor open areas include several rail spurs and vacant pads; licensed material at the depot had been stored indoors and outdoors.

Baddeleyite ore (zirconium oxide) containing naturally occurring thorium and uranium was stored in two piles designated 111 (16,491 ST) and 111A (1,392 ST) in open area 7A in the northwest corner of the depot. Pile 111 was 296 feet by 60 feet and pile 111A was 104 feet by 50 feet. An analysis in 1999 indicated:

<u>Pile</u>	<u>U</u>	<u>Th</u>
111	0.204%	0.091%
111A	0.004%	0.204%

The ore was removed from the depot by rail car in 2000. In 2004 approximately 2,500 cubic yards of contaminated soil were removed by rail but residual amounts of contaminated soil appear to still be present.

A Final Status Survey Report for selected outdoor survey areas was submitted to the NRC. The Survey Report, dated December 2002, recommended release for unrestricted use. In response, the NRC requested additional information and the release application were voided.

One outdoor area contains a pile of fluorspar and some indoor sections currently contain packaged stockpile materials (e.g. tungsten, columbium/tantalum, fluorspar) having small amounts of naturally occurring uranium and thorium (not in licensable quantities) emitting ambient gamma radiation which could interfere with the required surveys.

4. SCOPE

a. General

The contractor shall provide all labor, supervision, material, supplies, tools and equipment to:

- 1) perform a radiological survey that includes, but is not limited to, historical site assessment (HSA), background reference area survey, scoping survey, characterization survey, and Final Status Survey
- 2) select survey techniques appropriate to develop adequate data, and survey instrumentation based on their detection sensitivity to the radiations of concern
- 3) develop data quality objectives, a Radiological Survey and Sampling Plan and Derived Concentration Guideline Levels (DCGL)
- 4) determine if any area of the depot (with particular emphasis to Outdoor Area 7A.) is in need of remediation prior to the Final Status Survey and remediate the area
- 5) develop a Final Status Survey Plan (FSS PLAN) consistent with the guidance contained in MARSSIM and conduct discussions with the NRC as necessary
- 6) submit a Final Status Survey Report (FSS Report) and recommendation to the NRC and DNSC Occupational Radiation Protection Program Manager regarding unrestricted release, and conduct discussions with the NRC as necessary

The principal customer for this work is the DNSC. Staff from DNSC will provide routine on-site oversight of the work in coordination with AFSC Project Manager.

b. Post Award Deliverables

The Contractor is required to submit the following project deliverables prior to start of work under the contract, and the AFSC Project Manager shall approve them in writing prior to Contractor initiating work. It is also the responsibility of the Contractor to ensure and document that suppliers or lower-tier subcontractors, agents and/or employees meet the applicable requirements stated herein. The Contractor shall, during performance of the scope of work, submit all proposed changes to those documents listed below to the Project Manager for review and approval prior to implementation of any change which could affect the scope of work.

- Safety and Health Plan, including asbestos and radiological protection elements (Project specific)
- Health and Safety Program (Corporate Level)
- Quality Assurance Program (Corporate Level)
- Training records
- Personnel ID for depot access

4.1 PHASE 1-HISTORICAL SITE ASSESSMENT (HSA)

a. The contractor shall complete a historical review at the depot and at DNSC Headquarters in Ft. Belvoir, VA, and submit a draft report (in Microsoft Word format) within 50 working days after notice of award. Once the Project Managers has approved the report, the contractor will provide four hard copies and one electronic copy (in .pdf format).

b. The HSA review/investigation will include, but not be limited to, the following:

- Purchase orders or relevant material acquisition documents
- Documentation on the composition of the acquired material, including any analytical reports
- Site, building, and lot storage records including maps, building layouts, and photographs
- Databases
- Former and current site personnel interviews
- Prior and current radioactive materials licenses and amendments
- Routine and non-routine radiological surveys and analytical data, site operating reports, and correspondence
- Previous decontamination, removal, or cleanup plans and final reports

c. The objectives of the HSA include the following:

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- Identify potential radiological contaminants of concern that could currently be present onsite in quantities that could impact unrestricted release of the site (e.g., natural uranium, natural thorium, uranium and thorium isotopes, and significant uranium and thorium decay progeny such as radium)
- Identify the potential lateral and vertical extent of site residual radiological contamination for building surfaces and soils
- Assess surface and subsurface soil types and characteristics and site hydrogeology. Assess other potentially contaminated surfaces, such as concrete, asphalt, or wood.
- Assess potential for contamination migration such as the transport of materials on and off-site, transport and storage on-site, and weathering of stored materials.
- Determine applicable cleanup criteria for building surfaces and soils. Determine if it will be necessary to establish a conceptual site model and perform dose modeling to develop derived concentration guideline levels for the cleanup.
- Determine other non-radiological hazards and site-specific conditions that may impact radiological site closure activities.

4.2 PHASE 2-SURVEYS (ALL AREAS EXCEPT WAREHOUSE 214)

a. The contractor shall advise the DNSC of any needed cleanup of dirt and debris and/or rewarehousing of currently stored materials in order to commence further survey operations. The contractor shall complete a scoping survey within 50 working days after submittal of the final HSA report. If appropriate, the scoping survey may be combined within the HSA or characterization survey.

b. The contractor shall complete a characterization survey as needed within 50 working days after submittal of a Final Scoping Survey Report. Information acquired through the HSA and/or scoping survey will be evaluated to determine the necessity of additional site characterization and, if necessary, designing a site characterization. The purpose of characterization is to ensure that sufficient data is provided for decommissioning and final status survey planning to reduce uncertainty to an acceptable level. A summary of steps for the characterization process follow.

c. Prepare a Characterization Plan that is acceptable to the DNSC: design the site characterization to include:

- 1) Determine if site grubbing, clearing, or other site preparation is required.
- 2) Use of 2004 post-remediation civil survey-topographical and survey grid or determine the need to re-establish site topographical maps or survey grids
- 3) Select a scanning method (e.g., gamma walkover survey with 2-inch x 2-inch or 3-inch x 3-inch sodium-iodide detector; spatial determination by Global Positioning System or Total Station).
- 4) Determine if previous investigation/remediation data is usable for characterization or FSS.
- 5) Determine soil sampling protocols, such as sample number, type, locations, and depths of soil cores and the method of subsurface sampling (e.g., coring or direct push).
- 6) Where appropriate, review previous characterization data (e.g., 2001, 2004). And determine if their use is appropriate.
- 7) Perform soil/media analysis with an on-site analysis, off-site laboratory analysis, or a combination of both. This decision may be determined by input from regulators.
- 8) Provide site services to support site closure activities.
- 9) Provide qualified staffing to perform and complete activities within schedule and budget.

d. Mobilize on-site and implement the characterization plan.

e. Summarize and present all data in a Characterization Report

f. The contractor is required to develop a Final Status Survey Plan (FSS PLAN) and provide a draft electronic copy (in Microsoft Word format) for review by the AFSC and DNSC Project Managers within 25 working days after completion of the scoping and/or characterization survey. The FSS PLAN will treat wall spaces from floor height to a

point two meters above the floor as survey units which are separate from the floor surfaces. There shall also be random checks on wall surfaces above two meters and at overhead structural members. The Plan shall also make provision for soil samples as appropriate. Once the Project Managers have approved the Plan, the contractor will provide four hard copies, one electronic copy, and a draft letter of submittal to the NRC for approval. The contractor will assist the NRC in reviewing the Plan and resolving any questions.

g. The contractor will provide the personnel, supplies, services and equipment necessary to perform a survey within twenty-five working days after NRC approval of the survey Plan or within twenty-five days after remediation is completed (see 4.2 below) whichever is later. The contractor will provide a draft report (electronic copy in Microsoft Word format) for review by the DNSC project manager within 25 working days after completion of the survey. After the DNSC review has been completed, the contractor will submit a final report to the project manager consisting of three hard copies, one electronic copy (in .pdf format), and a draft letter of submittal to the NRC for approval. Photos and graphics will be included to the extent practical. The report will include all supporting information (e.g., instrument calibration and source check, completed radiation surveys, quality control from laboratory analysis, drawings, (e.g. scale drawing of each of the survey units). The contractor will assist the NRC in reviewing the report and resolving any questions.

h. The DNSC will provide on-site office space (a conference room), power and toilet facilities for the Survey crew (not to exceed six persons). The contractor will provide its own high access equipment as a means of access to all upper wall surfaces and overhead areas inside the warehouses.

4.3 PHASE 3-REMEDICATION

a. If necessary, the contractor shall develop remediation standards for outdoor Storage Area 7A, including its access road and any similarly contaminated indoor or outdoor locations, in order to permit release for unrestricted use. Removal, packaging, transportation and disposal of the waste material (soils, etc.) will also be the responsibility of the contractor.

b. The contractor shall:

- 1) Determine volumes of radioactive waste (contaminated soils and other materials) for off-site disposal.
- 2) Provide waste management and brokering for off-site disposal of radioactive waste - costs per unit volume or weight; sampling requirements for waste acceptance criteria.
- 3) Evaluate site access and conditions for waste staging, containerization, loading, and transport – laydown areas, weigh stations, road ways, and rail lines.
- 4) Establish method of radioactive waste loading and transport (e.g., trucks to rail cars; into containers or lift-liners; load directly into gondola cars with “baggies”).

- 5) Evaluate site transportation network to determine if it can support the preferred method.
- 6) Arrange for transport of radioactive waste to disposal facility – method, costs, schedule & availability of transporter.
- 7) Determine/arrange any DNSC site support that might be necessary for relocating currently stored strategic materials (if necessary) and for access for decontamination and decommissioning (D&D) activities.
- 8) Schedule D&D activities to account for weather/seasonal variations, current or anticipated DNSC site operations, or any other constraints.

c. The contractor shall examine critically all radioactive or non-radioactive waste materials and identify any hazardous materials as defined by the Resource Conservation and Recovery Act [RCRA (40 CFR 261 Subparts C and D)] and relevant state and local regulations. The contractor shall determine if there are any mixed wastes: materials exhibiting both radioactive and hazardous characteristics. The contractor shall package the wastes to minimize the volume of hazardous and mixed wastes. The contractor shall determine if any of the wastes are hazardous during transport according to Department of Transportation regulations (49 CFR 171-177). Handling, transport, and disposal of the waste materials shall be performed in accordance with requirements mandated by NRC, EPA, DOT, and all other applicable federal, state, and local regulations.

d. The contractor shall provide all necessary radiation protection services, equipment, and supplies to support the remediation and disposal activities. The contractor shall provide all OSHA-required equipment and supplies to support identification, characterization, remediation, packaging, and disposal activities.

e. The contractor shall provide a Remediation Work Plan (RWP) detailing the proposed method of removal and environmental protections to preclude contamination of surface areas to the Project Managers for approval prior to initiating field activities. DNSC will submit the RWP to the NRC for approval prior to the start of remediation activities. The RWP 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

f. In addition, the contractor shall provide a project specific Health and Safety Plan (HSP) Radiation Protection Plan, and Quality Assurance Plan to the Project Manager along with the RWP prior to initiating field activities.

The contractor shall mobilize onsite and execute site D&D in accordance with approved RWP. This may include some or all of the following:

- Soil – excavate to depth. Expand excavations laterally and/or vertically based on remedial surveys, or segregate areas for FSS.
- Concrete – surface removal by scabbling, chipping, or more aggressive measures.
- Asphalt – excavate and remove
- Package, load, weigh, and ship radioactive waste to the off-site disposal facility.
- Remedial surveys – evaluation and actions

g. 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. 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.

h. The Government will not provide any supplies or equipment for the remediation phase of the contract.

i. The contractor shall prepare and submit all documentation required under Appendix G to 10 CFR 20; copies shall be provided to the Project Managers and New Haven Depot office. If such documentation is not required under Nuclear Regulatory Commission regulations the contractor shall submit bills of lading and certificates of receipt for all waste material shipped from the depot. Any hazardous or mixed wastes shipped from the site shall be packaged and transported in accord with the applicable requirements of NRC, EPA, and DOT and relevant state and local regulations. The subcontractor shall prepare a hazardous waste manifest with sufficient copies to meet the requirements of the EPA (40 CFR 262 Appendix), the state of Indiana, and the receiving state. In addition, copies of the hazardous waste manifest shall be provided to the Project Managers and New Haven Depot office.

j. The contractor shall deliver a draft final summary report of all remediation work performed under this statement of work to the Project Managers within 30 work days of the end of the performance. The Project Managers will review and return the draft to the contractor with comments for final adjustments/corrections within 15 work days.

4.4 PHASE 4-SURVEY (WAREHOUSE 214)

a. The contractor shall advise the DNSC of any needed cleanup of dirt and debris and/or rewarehousing of currently stored materials in order to commence further survey operations. The contractor shall complete a scoping survey within 25 working days after notice to proceed with Phase 4. It is anticipated that Warehouse 214 will not be available for the survey prior to April 1, 2007.

b. The contractor shall complete a characterization survey as needed within 25 working days after submittal of a Final Scoping Survey Report.

c. The contractor is required to develop a Final Status Survey Plan (FSS Plan) and provide a draft electronic copy (in Microsoft Word format) for review by the AFSC and DNSC Project Managers within 25 working days after completion of the scoping and/or characterization survey. The FSS PLAN will treat wall spaces from floor height to a point two meters above the floor as survey units which are separate from the floor surfaces. There shall also be random checks on wall surfaces above two meters and at overhead structural members. Once the Project Managers have approved the Plan, the contractor will provide four hard copies, one electronic copy, (in .pdf format) and a draft letter of submittal to the NRC for approval. The contractor will assist the NRC in reviewing the Plan and resolving any questions.

d. The contractor will provide the personnel, supplies, services and equipment necessary to perform a survey within 25 working days after NRC approval. The contractor will provide a draft report (electronic copy in Microsoft Word format) for review by the DNSC project manager within 25 working days after completion of the survey. After the DNSC review has been completed, the contractor will submit a final report to the project manager consisting of three hard copies, one electronic copy (in .pdf format), and a draft letter of submittal to the NRC for approval. Photos and graphics will be included to the extent practical. The report will include all supporting information (e.g., instrument calibration and source check, completed radiation surveys, quality control from laboratory analysis, drawings, (e.g. scale drawing of each of the survey units). The contractor will assist the NRC in reviewing the report and resolving any questions.

e. The DNSC will provide on-site office space (a conference room), power and toilet facilities for the Survey crew (not to exceed six persons). The contractor will provide its own high access equipment as a means of access to all upper wall surfaces and overhead areas inside the warehouses.

4.5. TIMETABLE

The contractor shall submit all deliverable data to the AFSC & DNSC Project Managers shown above in accordance with the following schedule. All submittals shall be delivered no later than the close of business on the day indicated in this paragraph.

No.	DOCUMENT	REVIEW	DATE
1	Assumed Notice To Proceed (NTP)	N/A	01 JUN 06
2	Post Award Deliverables	Project Manager	10 days after NTP
3	Phase 1-Draft HSA Report	Project Manager	50 days after NTP
4	Phase 1-Final HSA Report	Project Manager	10 days after receipt of comments
5	Phase 2-Draft Scoping Survey Report	Project Manager	45 days after submittal of Final HSA report

6	Phase 2-Final Scoping Survey Report	Project Manager	10 days after receipt of comments
7	Phase 2-Draft Characterization Survey Report	Project Manager	45 days after submittal of Final Scoping Survey report
8	Phase 2-Final Characterization Survey Report	Project Manager	10 days after receipt of comments
9	Phase 3-Draft Remediation Work Plan	Project Manager	25 days after submittal of characterization survey report
10	Phase 3-Final Remediation Work Plan	Project Manager & NRC	10 days after receipt of comments
11	Phase 3-Draft Remediation Report	Project Manager	45 days after NRC approval of RWP
12	Phase 3-Final Remediation Report	Project Manager	10 days after receipt of comments
13	Phase 2-Draft FSS Plan	Project Manager	25 days after submittal of Final Remediation Report
14	Phase 2-Final -FSS Plan	Project Manager & NRC	10 days after receipt of comments
15	Phase 2-Draft FSS Report	Project Manager	40 days after NRC approves FSS PLAN
16	Phase 2-Final -FSS Report	Project Manager & NRC	10 days after receipt of comments
17	Phase 4-Draft FSS Plan	Project Manager	25 days after notification Warehouse 214 is available
18	Phase 4-Final FSS Plan	Project Manager & NRC	10 days after receipt of comments

19	Phase 4-Draft FSS Report	Project Manager	40 days after NRC approves FSS PLAN
20	Phase 4-Final FSS Report	Project Manager & NRC	10 days after receipt of comments

4.6 GENERAL

The contractor will determine if any personal protective equipment and/or personal dosimetry are required and will provide them for its employees.

Personnel with the appropriate skill set (industrial hygienist, health physicist, geologist, geophysicist, etc.) and experience necessary to perform the required services shall be made available as necessary. 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.

5. SUBMITTALS AND CORRESPONDENCE

a. Format and Content of Reports. Reports presenting all data, analyses, and recommendations shall be prepared. All drawings shall be of engineering quality in drafted form with sufficient detail to show interrelations of major features. When drawings are required, data may be combined to reduce the number of drawings. The report shall consist of 8 ½” x 11” pages with drawings folded, if necessary, to this size. A decimal paragraphing system shall be used, with each section and paragraph of the reports having a unique decimal designation. The report covers for each submittal shall consist of durable 3-ring binders and shall hold pages firmly while allowing easy removal, addition, or replacement of pages. A report title page shall identify the site; the contractor, the DNSC; and the date. The contractor identification shall not dominate the title page.

b. Review Comments. Various reviewers will have the opportunity to review submittals made by the contractor. The contractor shall review all comments received through the Project Manager and evaluate their appropriateness based upon their merit and the requirements of the Scope of Work. The contractor shall incorporate appropriate comments in the final submittals.

c. Draft Reports. Each page of the draft reports shall be stamped as draft. Submittals shall include incorporation of all previous review comments accepted by the contractor.

d. Identification of Responsible Personnel. Each report shall identify the specific members and title of the contractor’s staff and subcontractors which had significant, specific input into the reports’ preparation or review.

e. Minutes of Meetings. Following any meeting, the contractor shall prepare and submit minutes of the meeting within 10 calendar days to the Project Manager.

f. Correspondence. The contractor shall keep a record of each phone conversation and written correspondence affecting decisions relating to the performance of this contract. A summary of the phone conversations and written correspondence shall be submitted with the monthly progress report to the Project Manager.

g. Monthly Progress Report. The contractor shall prepare and submit a monthly progress report describing the work performed since the previous report, work currently underway and work anticipated. The report shall state whether current work is on schedule. If the work is not on schedule, the contractor shall state what actions are anticipated in order to get back on schedule. The report shall be submitted no later than the 10th day of each calendar month and shall discuss the previous calendar month's activities. The report shall be submitted to the Project Manager.

6. COORDINATION

a. On-Site Coordination: The contractor shall keep the designated DNSC New Haven site representative informed of day-to-day activities occurring on the facility. Where contractor activities are likely to require coordination with various departments, the contractor shall notify the site representatives sufficiently ahead of time to allow for coordination of activities to take place. Representatives are:

Depot Manager
Mr. John Olszewski
DLA/DNSC
Hammond Depot
3200 Sheffield Avenue
Hammond, IN 46327
COM: (219) 937-5383

New Haven Depot Representative
ATTN: Ms. Nikki Horther
COM: (260) 749-9544 or (800) 373-4107
E-mail: Nikki.Horther@dla.mil

b. Project Coordination: The project manager (Mr. William Metcalf) will coordinate project activities for the AFSC. His address is:

U.S. Army Field Support Command
ATTN: AMSFS-SF (**Mr. William Metcalf**)
1 Rock Island Arsenal
Rock Island, IL 61299-6000
(309) 782-(2248)
DSN 793-(2248) Facsimile (309) 782-2988
E-mail address: Metcalfw@afsc.army.mil

c. The contractor shall coordinate project activities; obtain technical assistance, and request specific information on the project location from the installation points of contact at:

Defense National Stockpile Center (DNSC)
Mr. Michael J. Pecullan, Project Manager
Directorate of Environmental Management
DLA/Defense National Stockpile Center (DNSC-E)
ATTN: Mr. Michael Pecullan
8725 John J. Kingman Rd, Suite 3229
Fort Belvoir VA 22060-6223
703-767-7620 (office)
571-221-4732 (cell)
E-mail address: Michael.Pecullan@dla.mil

d. Hardware and Software and Computer Files. All draft text files generated under this contract shall be furnished to the Project Manager and listed POC's in Word 6.0 or higher software, IBM PC compatible format. All final text files generated under this contract shall be furnished to the Project Manager in and in Adobe Portable Document Format (PDF) able to accommodate word-searches and suitable for viewing, without modification, on the Internet.

7. PUBLIC AFFAIRS

The contractor shall not publicly disclose any data generated or reviewed under this contract. The contractor shall refer all requests for information concerning site conditions or information concerning the contract to the Project Manager. Reports and data generated under this contract are the property of the Department of Defense and distribution to any other source by the contractor, unless authorized by the Project Manager, is prohibited.

8. PERIOD OF PERFORMANCE

The term of this contract shall be from the date of award through September 30, 2007, with 1 option year. The option year (October 1, 2007-September 30, 2008) is solely at the discretion of the Government. The Contracting Officer may exercise the option by mailing a written notice to the Contractor at least 30 days prior to the expiration of the Period of performance.

9. HOURS OF OPERATION

The regular hours of work at the depot are established by the DNSC Depot Manager. Strict compliance is mandatory. Normal work hours at the New Haven Depot are Monday through Friday 7:00 a.m. to 4:00 p.m., excluding federal holidays. Entrance to the depot is restricted to authorized individuals at the established times, except when otherwise authorized by the Depot Manager. The Contractor shall obtain documented approval for their personnel to have entry to the site.

10. SCHEDULING

The Depot Manager for New Haven, or his designated representative, will schedule on-site operations at the depot.

Depot Manager: Mr. John Olszewski, DLA/DNSC Hammond Depot, 3200 Sheffield Avenue, Hammond, IN 46327-1003; (219) 937-5383

11. REGULATIONS/SECURITY REQUIREMENTS

The Contractor shall comply with all depot requirements and all aspects of DNSC's Environmental, Safety, and Occupational Health Management System, (ESOHMS) including all Federal, State, and local and depot regulations, relevant to the performance of this work. These requirements include, but are not limited to, compliance with the DNSC site and operations security Plans in the event of local or national threat conditions; New Haven Depot site Emergency Plan (includes evacuation procedures and communications in the event of emergency and spill prevention requirements); obtaining permission for parking locations; signing in at the depot entrance per DNSC procedure; and wearing of safety shoes. The latest copy of the Depot Emergency Plan will be provided by DNSC to the Contractor.

12. SITE VISIT

Prospective contractors shall attend an on-site meeting and site tour held by the Project Manager.

13. PROPOSALS

a. A written proposal shall be submitted to the Project Managers no later than May 15, 2006.

The proposal shall include a detailed project overview which describes how the prospective contractor plans to meet the requirements specified in this SOW. The overview shall define management and operations crew (job title and number), including a dedicated project manager. Additionally, the overview shall define the instrumentation to be used and a schedule proposed for completing the project.

b. Proposal shall include the qualifications of the proposed project team and the experience of all of the individuals proposed to perform the Statement of Work. The qualifications and experience in this criterion include;

- Training and experience of personnel to meet the SOW requirements
- Company safety track record for executing similar projects
- Knowledge and experience executing similar work scope
- Knowledge and experience in the understanding of MARSIMM objectives and working with health physicists

- c. The proposal should demonstrate the expertise to achieve the objectives of the project, which are included in the statement of work and references to three previously completed projects with objectives similar to this project.
- d. The prospective contractor shall submit separate bid prices for each phase of the work. (1 through 4).

14. EVALUATION

Written proposal shall be evaluated by the Government.

- a. The proposal will be evaluated for its appropriateness and demonstrated effectiveness for meeting the requirements of the project, which are included in this statement of work. Technical approach will be evaluated, for soundness, the likelihood of completing the project without the need for changes, and the likelihood of completing the project without failures during project execution.
- b. Price will be considered in the overall evaluation of the proposal. The evaluation of the price factors will include the assessment of the realism of the price proposal and the probable cost to the government.

15. INVOICES

After the performance or during the performance/duration of project associated with the Scope of Work; the contractor shall provide invoice(s) to the Contracting Officer and Project Manager for approval. Contractor(s) shall invoice only for work performed. Contractor(s) shall state on the invoice, a brief explanation of work invoiced for and when the work was done (Period of Performance). Failure to provide this brief explanation and period of performance may result in nonpayment of the invoice(s).

16. APPLICABLE REGULATIONS AND SPECIAL REQUIREMENTS

All work performed under this SOW is required, at a minimum, to meet all applicable federal, state and local regulations, including but not limited to DOD Orders, DOD Policy, Guidance, Notice and Codes and the following:

- NRC Information Notice 2002-36 (Reminder notice on Incomplete or Inaccurate Information)
- Services under the Atomic Energy Act of 1954, as amended
- NUREG 1600 (General Policy and Procedure for NRC Enforcement Actions)
- NRC Materials License STC-133, May 5, 2003
- Applicable sections of 29 CFR 1910 & 29 CFR 1926, OSHA General Industry, and Construction
- Applicable sections of 10 CFR
- ANSI Z87.1, Occupational and Educational Eye and Face Protection
- ANSI Z88.2, Practices for Respiratory Protection
- ANSI Z41, Personnel Protection – Protective Footwear

ANSI Z89.1, Protective Headwear for Industrial Workers
ACGIH Threshold Limit Values (TLVs)
NFPA 30, Flammable and Combustible Liquids Code
NFPA 70, National Electric Code
NFPA 70E, Standard for Electrical Safety Requirements for Employee Workplaces
NFPA 101, Life Safety Code
DNSC Occupational Radiation Protection Program, December 2002
New Haven Depot Emergency Response Plan, April 2004
Multi-Agency Radiation Survey and Site Investigation Manual (MARSIM) NUREG-1575.

17. HEALTH PHYSICS AND INDUSTRIAL HYGIENE

The Contractor shall furnish all health physics and industrial hygiene equipment and resources, including all labor, supplies, monitoring instruments, respirators (if needed), safety equipment, and personnel, as required to complete the work scope. The Contractor, or a designated representative, shall also furnish the supervision of all work in accordance with the standards for protection against radiation and industrial hazards as specified in 10 CFR, Part 20 of the NRC regulations, 29 CFR 1910 and 1926, and the DNSC source material license STC-133.

18. SECONDARY WASTES

The Contractor shall package and tag all radiologically-contaminated secondary wastes, including the small amounts of secondary wastes generated by the DNSC and its representatives in support of the project. The Contractor shall dispose of this waste. Written log sheets (descriptions of contents of each bag) shall be provided to the DNSC depot manager. The generation of secondary waste volumes shall be minimized. The Contractor shall not utilize any tool or equipment cleaning techniques which would result in the creation of liquid radioactive wastes.

Non-radiological secondary wastes (i.e. asbestos contaminated PPE, if needed), and sanitary wastes generated during Phase 3 (i.e. office refuse, etc.), shall be removed and disposed of by the Contractor in accordance with applicable laws and regulations.

19. REFERENCES

Project Close-Out Report, Defense Logistics Agency Waste Disposal Project, New Haven, IN, February 2005

DNSC New Haven Depot Final Status Survey report, December 2002

20. MEETINGS AND REVIEWS

a. The contractor shall arrange to attend meetings and reviews with the Project Managers, to be held at mutually acceptable dates and times. Generally, meetings will be held at the New Haven Depot.

b. 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.