

## SOURCES SOUGHT SYNOPSIS

### HANFORD LABORATORY SERVICES

THIS IS A **SOURCES SOUGHT SYNOPSIS**. No solicitation is available. This Sources Sought is released pursuant to FAR Part 15.201(e), Exchanges with Industry.

The U.S. Department of Energy (DOE) is currently in the acquisition planning stage for laboratory analytical services to receive, analyze, test and report the results from approximately 55,000 inorganic, organic and radiochemical analyses annually. The analytical services to be acquired will be performed at the 222-S Laboratory Complex and Waste Sampling and Characterization Facilities located at the Hanford Nuclear Site near Richland, Washington. These services support cleanup and closure of the Hanford site and are critical to the achievement of the closure goals of all site projects. The services to be acquired may include, but not be limited to, the following tasks further defined in Attachment #1 Summary Scope of Work:

- Perform sample receipt and preparation activities associated with Hanford site samples sent to the Laboratory.
- Perform sample analysis including inorganic, organic and radiochemistry analyses
- Provide hardcopy and electronic data reports/deliverables to Hanford site Laboratory customers.
- Perform supporting activities to maintain laboratory readiness and compliance.

DOE reserves the right to use any and all information submitted by, or obtained from, an interested party in any manner DOE determines is appropriate, including, but not limited to, the creation of a competitive solicitation. An interested party should avoid including any classified, business confidential, and/or proprietary information in its response. However, if an interested party must submit such information, the information must be clearly marked accordingly, and the interested party must provide sufficient justification as to why such information is business confidential and/or proprietary. DOE will review said information and safeguard it appropriately.

The Department is seeking interested offerors with specialized capabilities to meet all, or part of, the requirements defined in the attached Summary Scope of Work. The North American Industry Classification System (NAICS) code for this requirement is 562910, and the small business size standard is 500 employees. **THIS ANNOUNCEMENT IS NOT A REQUEST FOR PROPOSALS (RFP) AND SHALL NOT BE CONSTRUED AS A COMMITMENT BY THE GOVERNMENT TO AWARD A CONTRACT AT THIS TIME.** The purpose of this announcement is to identify small business concerns with the capability to perform the services defined in Attachment #1, Summary Scope of Work, with the intent of assessing set-aside possibilities. In order for DOE to assess set-aside possibilities under the NAICS code and size standard specified above, interested parties shall identify their company as one or more of the following: 1) small business; 2) 8(a) business; 3) HUBZone small business; 4) small disadvantaged business; 5) woman-owned small business; 6) service-disabled, veteran-owned small

business; or 7) large business. In accordance with Attachment #2, Response Content Requirements, all interested parties are hereby invited to submit a capability statement of no more than ten (10) pages, and no smaller than 12 point font. Interested parties are requested to provide the name of the firm, point of contact, phone number, address of firm, CAGE Code, and a DUNS Number. The capability statement should demonstrate the interested parties understanding, capability, qualification, and approach to meeting the work requirements identified in Attachment # 1, Summary Scope of Work. Additionally, interested parties should identify challenges and risks associated with meeting the requirements of the Summary Scope of Work and how your organization would minimize those risks. Finally, interested parties should identify all DOE, other Government, or commercial experience relevant to this notice (include contract number, date, scope, duration, client, and contracting agency contact) completed within the last five (5) years.

The Government will evaluate each capability statement based on the interested party's demonstrated qualifications, capabilities (see Attachment #1 - Summary Scope of Work), expertise, experience and past performance in each of the areas included in the Summary Scope of Work. The Government will not pay for any information that is provided in response to this announcement nor will it compensate any respondents for the development of such information. Responses shall be provided via email to Christopher Lockhart, Contract Specialist, at [Christopher.lockhart@emcbc.doe.gov](mailto:Christopher.lockhart@emcbc.doe.gov) no later than 4:00 p.m. Eastern Time on **Monday July 15, 2013**. All questions pertaining to this announcement will be answered through a "Special Notice" electronically through Fedconnect <https://www.fedconnect.net/FedConnect>. DOE personnel may contact firms responding to this announcement to clarify a responder's capabilities and other matters as part of this market research process.

Contracting Officer:

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#### **ATTACHMENT #1 – SUMMARY SCOPE OF WORK**

##### **1. SUMMARY SCOPE OF WORK**

The scope of this anticipated contract is to perform the Analytical Services production functions of receiving, handling, analyzing, storing samples, performing special tests and reporting the results of these analyses and tests to the contractors of Department of Energy Offices at the Hanford Nuclear Site near Richland, Washington. These functions will be performed through a contract with the DOE Office of River Protection (ORP) and/or the Richland Operations Office (RL). The analytical services to be acquired will be performed at the 222-S Laboratory complex and the Waste Sampling and Characterization Facility (WSCF) located in the 200 Area of Hanford, supplemented if needed by off-site facilities. These services support cleanup and closure of the Hanford site and are a critical activity in achieving closure goals of all Hanford projects. This scope may also include other DOE work supporting scientific research and other DOE sites.

The successful contractor shall provide these analytical chemistry production services for the Hanford Site projects, operations, and environmental cleanup activities in support of the Hanford Site environmental cleanup and restoration activities. Handling of high level radioactive material is an essential part of the analytical work.

The contractor is required to annually perform approximately 15,000 inorganic, organic and radionuclide analyses on high-radiation samples. This number of analyses includes analyses for blanks, calibrations, equipment checks and actual samples analyzed. The sample analyses will be performed on approximately 2,000 intermediate to high level radioactive and/or hazardous samples received from multiple locations and entities on the Hanford site. Samples received into the hot cell may be 300 Rad/hr, with a significant part of that from gamma radiation. Those high rad samples are generally diluted so that they can be analyzed in a ventilation hood.

In addition to the above, the contractor is required to annually perform approximately 40,000 analyses of a variety of low-radioactivity (less than 1.0 mR/hr) and nonradioactive samples. The contractor will perform analytical determinations that include inorganic chemistry, organic chemistry, and radiological chemistry.

The above-described scope is considered essential to this contract. Depending on DOE determination of need, the scope may also include disposal of samples, radiological control support, standards laboratory/stockroom supplies, and infrastructure support (such as, production control, and the laboratory information management system). Scope may also include facility management, quality assurance and regulatory compliance activities, and planning and development of new analytical processes to meet Hanford's evolving needs.

The existing work force is trained and qualified to perform the analytical services work. The successful bidder will be expected to, in good faith, provide the incumbent qualified service workforce a right of first refusal for employment.

The successful bidder may be required to participate in and/or administer the pension and post-retirement plans for the existing workforce covered by such plans while performing the requirements of the anticipated contract. Pension and other post-retirement benefits are developed in accordance with the applicable state and federal regulations and Departmental policy principles.

## **2. SCOPE OF WORK**

The work performed by the Laboratory Services Contractor (LSC) will be to plan analytical work using priorities from customers, receive samples (some of which are highly radioactive), prepare them for analysis, record and track all sample and related waste materials, perform the analyses using necessary quality control and quality assurance, report the results and archive material as required by the customer. Customers at times will require special tests and the LSC is responsible for providing assistance in developing those test methods and then performing them in the lab. Customers consist of DOE prime contractors who perform program activities primarily at the Hanford site and may include some work from other DOE sites and DOE research.

Work performed at government-supplied facilities must be conducted in a manner consistent with Hanford site-wide programs. Processes for work performed off-site must be compliant with all applicable regulatory requirements for packaging and shipping as well as customer need-by dates. The LSC is required to manage interfaces with other site contractors by means of established interface management programs.

Monthly workloads for high-radiation analyses are expected to vary widely from 15% utilization to 175% utilization. Utilization in this case relates to the amount of time that analytical personnel are engaged in hands-on sample analysis work.

Planning shall require use of the priorities and analytical data needs of customers and managing the lab workload in accordance with those needs. Planning also requires readiness to perform new analyses, testing or infrequent analyses when these are defined by the customers. Analysis of samples shall be performed by the LSC's trained and qualified workforce in accordance with approved procedures, using appropriate test and handling equipment. The currently installed Laboratory Information and Management System (LIMS) shall be used for sample tracking, records and data gathering and reporting. The LSC will provide Standards Laboratory services for the Hanford Site. This will include preparation and maintenance of required standards and reagents.

Results shall be reported to meet customer's specified needs. The most common formats for Required Data Reporting are as follows:

- Full Data Package including raw data, Data Summary Reports with Method Detection Limits (MDL) and qualifiers, QA data.
- Summary Data Package including Data Summary Reports with MDL
- Summary Data Package with Quality Assurance and Data Upload including Data Summary Reports with MDL, QA qualifiers, and defined electronic deliverables.

The LSC shall perform all work in accordance with existing laws, applicable permits and good practice consistent with safety and quality in the laboratory.

The LSC shall provide annual projections for labor, equipment, and materials needs.

A nuclear materials safeguard and security program shall be developed by the LSC compliant with existing Hanford site-wide programs and with DOE Order 474.1A, approved by DOE and implemented.

The LSC shall develop an Integrated Safety Management System (ISMS) as required by federal regulations and applicable DOE Orders. The ISMS will reflect the scope of this anticipated contract and describe interfaces and interactions with safety programs of other contractors. The ISMS shall be developed by the LSC and implemented in coordination with other site contractors' ISMSs to provide overall Integrated Safety Management at the Hanford site.

### **3. GOVERNMENT FURNISHED FACILITIES AND SERVICES**

The LSC will be provided with facilities and analytical equipment to accomplish this scope of work. Facilities and analytical equipment will be provided and maintained as described below. A nuclear safety program implementing a Documented Safety Assessment (DSA) has been established for on-site laboratory facilities; the LSC will be required to support implementation of these requirements.

#### **3.1. Facilities**

The 222-S complex consists of the 222-S Building, a 70,000 square foot laboratory facility, which includes 11 hot cells for handling and analyzing highly radioactive samples, and the auxiliary buildings that support the analytical chemistry mission. The 222-S Laboratory complex contains over 100 pieces of analytical equipment, 156 fume hoods, and 46 manipulators to perform work. The high-radiation analytical services to be acquired will be primarily performed at the 222-S Building with some space in nearby offices available for other personnel. The facility is shared with the Tank Farms Operating Contractor (TOC) which uses it to perform its own work scope.

The WSCF complex consists of a 40,000 square foot main laboratory and various support buildings. The facility conducts work associated with many cleanup projects including groundwater, soil remediation, air quality monitoring, and characterization of solid wastes. WSCF conducts analyses on air, water, soil, vapor, sludge, and other miscellaneous

samples. In addition, staffers analyze industrial hygiene samples from a variety of site projects.

Potential for performing analyses off-site depends upon the shipping and handling capabilities of the LSC and the capabilities of any off-site laboratories proposed for use to meet regulatory and customer requirements.

### **3.2. Analyses Performed and Instrumentation Provided**

The types of analyses to be performed and available laboratory equipment that will be provided to the LSC at the 222-S and WSCF will be detailed in the Request for Proposals.

### **3.3. Other Government Furnished Services**

Government furnished services will be provided or coordinated through the TFC or the MSC as applicable. These services include items such as site-wide training, personal protective equipment, site access, software licenses, telecommunications, information technology, and waste operations. Specific arrangements concerning needs, charges between prime contractors will be made, and updated, in a formalized memoranda of agreement, or equivalent.

## **4. SUPPLEMENTAL INFORMATION**

### **4.1. Material Control and Accountability**

- The LSC shall be responsible for specific portions of the special nuclear material contained in the 222-S facility.
- The LSC shall follow applicable DOE Orders for material control and accountability.

### **4.2. Interactions with other DOE offices and other DOE prime contractors**

- All direction regarding analytical services work will be provided from the designated contracting DOE office.
- Daily interaction between the LSC and other DOE prime contractors shall occur to set priorities, workloads and define expected results from analyses.

### **4.3. Quality Assurance (QA) and Quality Control (QC)**

- The QA and QC program for nuclear facilities is required by 10 CFR 830.120.

### **4.4. Technical Authorizations**

- The LSC shall comply with approved technical authorization basis and associated safety management programs.

#### **4.5. Permits**

- The LSC shall comply with all applicable permits.

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#### **ATTACHMENT # 2 – RESPONSE CONTENT REQUIREMENTS**

Interested parties are invited to provide a capability statement, of no more than **ten (10)** pages with no smaller than 12 point font, with the following information, as appropriate and as applicable:

##### **A. General Description of Company.**

1. Company name and mailing address; point of contact (name, title, telephone number), address of firm, CAGE Code, and Dun and Bradstreet (DUNS) number.
2. Socio-economic status (small business, service-disabled/veteran-owned small business, HUBZone small business, small disadvantaged business, and/or woman-owned small business, or large business). The small business size limit for NAICS Code 562910, Remediation Services, is 500 employees.

##### **B. Capability to Meet Requirements of the Contemplated Scope of Work.**

1. Identify the capabilities which you have, or will shortly have, for meeting the requirements in Attachment #1 - Summary Scope of Work.
2. Description of your company's approach to meeting the requirements in the Summary Scope of Work.
3. Provide schedule information with regard to how quickly you can be at full performance after award of contract.
4. Identify any challenges and risks in meeting the requirements in the Summary Scope of Work. Identify how your organization would minimize these risks.
5. Provide brief experience and performance record for the past five (5) years. Identify all DOE, other Government, or commercial experience relevant to this notice (include contract number, date, scope, duration, client, and contracting agency contact).