Dear Interested Parties:

REQUEST FOR INFORMATION – TECHNICAL SUPPORT FOR HANFORD SITE MODELING AND RISK ASSESSMENT

CH2M Hill Plateau Remediation Company, LLC (CHPRC), Richland, Washington as a prime contractor to the U.S. Department of Energy (DOE) expects to issue a Request for Proposal (RFP) for the subject scope on or about the week of July 2, 2018, for award of Priced Master Contract with the ability to issue Time and Material or Firm Fixed Price type of contract releases. Contract Award is anticipated the week of August 27, 2018.

RFP SCHEDULES/OPENING DATES ARE SUBJECT TO CHANGE

INTRODUCTION

CHPRC is interested in identifying potential suppliers, or a team of suppliers, who have the capability to provide Technical Support for Hanford Site Modeling and Risk Assessment in support of the Central Plateau Remediation Project, Richland, Washington, under Prime Contract DE-AC06-08RL14788 with DOE.

The CHPRC Technical Integration (TI) function supports coordination of the execution of the performance of risk assessments and modeling conducted to meet regulatory and DOE directive requirements, or to provide a technical basis in making project decisions. In addition, the CHPRC TI function provides support to DOE in executing its owner role with regulators and stakeholders in the preparation, submission, approval, and defense of risk assessment and supporting documentation.

OVERVIEW OF SCOPE OF WORK

Following are the types of scope requirements potential offerors may anticipate.

Composite Analysis

The Composite Analysis (CA) function supports DOE in executing the agency’s function associated with updating the Hanford Site Composite Analysis in accordance with DOE O 435.1, Radioactive Waste Management, and other applicable requirements using a systems approach to
model inventory, waste releases, air, vadose zone, groundwater and river transport with an evaluation of human and ecological impacts from a dose and risk assessment standpoint.

The following tasks may be included in this scope:

- Scoping Phase activities, including development and documentation of the Technical Approach, update of the Hanford Soil Inventory Model (SIM), and Construction of a Central Plateau Geoframework.
- Analysis Phase activities, including development and application of inventory models, waste form release models, vadose zone models, vadose zone to groundwater interface tools, groundwater models, and dose calculation; defining, establishing, and maintaining required computer resources, and establishment and maintenance of a project-specific Quality Assurance program.

**Biomob – SAP**

Development and issuance of a Sample Analysis Plan (SAP) to perform the bioaccumulation and biointrusion evaluations and analyses. The associated evaluations and analyses shall support waste site cleanup decisions on the Hanford Site Central Plateau.

The SAP generation is primarily performed to acquire the biology and transport modeling specialties required to develop the sampling requirements and communicate the science and mathematics to management and stakeholders.

The following tasks may be included in this scope:

- Complete development of and submit revised decisional draft.
- Support decisional draft review.
- Resolve comments from decisional draft.
- Prepare and submit Draft A for RL and regulator review.
- Support Draft A review.
- Resolve comments from Draft A.
- Prepare and issue Rev 0.

**Cumulative Impact Evaluation – Approach Document**

Scope may include finalizing an approach document that guides future efforts associated with the cumulative impact evaluation. The approach document was initiated during the base contract period and flows into the post contract baseline period.

The following tasks may be included in this scope:
• Prepare chapters 1 and 2 for the Approach Document.
• Develop an approach for inventory estimates.
• Complete workshop 4 on the Saturated Zone Models and Reporting.
• Prepare a decisional draft of the Approach Document.
• Support review of the decisional draft and resolve comments.
• Prepare Draft A of the Approach Document.
• Support review of Draft A and resolve comments.
• Prepare and issue Revision 0 of the Approach Document.

Cumulative Impact Evaluation – Execution

Scope in this account includes performing Cumulative Impact Evaluation (CIE). CIE is a sister application to the Hanford Site Composite Analysis (CA). This CIE will address non-radioactive contaminants and will support the CERCLA decision making process, particularly with the evaluation of the Central Plateau (CP) as a waste management area with one or more conditional points of compliance over the CP. This scope is planned for FY2019 through FY2022.

The following tasks may be included in this scope:

• Develop an inventory database.
• Revise the groundwater model.
• Prepare saturate zone models and reporting.
• Prepare a decisional draft of the CIE document.
• Prepare Draft A of the CIE document.
• Prepare Rev 0 of the CIE document.

RESPONDING TO THE RFI

RFI responses shall include:

1. Name of Organization(s)
   a. Name of the primary point of contact for the response including:
      i. E-mail address
      ii. Phone number
   b. If teaming, include the names/organizations of those teaming partners and the expected role assigned to each
2. Submittal of Capabilities Statement
   a. Offeror shall provide appropriate evidence of company technical capabilities and experience in the areas of work included in the overview of the Scope of Work.
b. Offeror shall limit the provided statement to include only the information sufficient to present an effective response and demonstrate they possess the desired pertinent capabilities requested. Lengthy and elaborate submittals, along with brochures are neither required nor desired.

RESPONSE SUBMISSION DEADLINE

Responses to this RFI must be submitted no later than 1:00 pm Pacific Standard Time on June 25, 2018. RFI submissions will be accepted as e-mail attachments only. All responses must be sent to Rayna Uptmor, at Rayna_R_Uptmor@rl.gov, with “Technical Support for Hanford Site Modeling & Risk Assessment” in the subject line.

CHPRC has determined that North American Industry Classification System (NAICS) Code 562910 (Remediation Services) applies to this acquisition. The size standard for determining whether an Offeror is a small business in regard to this acquisition is 750 employees. If an RFP is issued, CHPRC retains the option of issuing the RFP as a small business set aside.

Award of any resulting contract will be limited to businesses that are or will be operating in the local vicinity of the Hanford Site, Washington for the duration of any resulting award. Local vicinity is defined as the Washington counties of Benton, Franklin, Adams, Grant, Klickitat, Walla Walla, Yakima, as well as Umatilla County, Oregon.

Only those contractors who submit a response to this RFI will be invited to participate if an RFP is issued.

QUESTIONS AND COMMENTS REGARDING THE RFI

The Contractors shall submit any comments or questions regarding the RFI to the Contract Specialist in writing no later than June 18, 2018. The Contractor may transmit questions and comments via fax or e-mail. The Contract Specialist will answer all questions in writing and post all questions and answers on the CHPRC website.

SUBMITTAL ADDRESS

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