

# WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

## EQUIPMENT QUALIFICATION TESTING SERVICES

Requisition Number: 24590-QL-SRA-NEM0-00008, Revision 0  
Submit Interest By: **January 31, 2024**  
Quality Level: QL  
Award Type: Fixed Unit Rate

### ESTIMATED SCHEDULE **TBD**

Issue Request for Proposal: No later than February 12, 2023  
Award and Notice to Proceed: **June 14, 2024**

### PROJECT DESCRIPTION AND LOCATION

The Hanford Tank Waste Treatment and Immobilization Plant (WTP) is a complex of radioactive waste treatment processing facilities designed and constructed by Bechtel National, Inc. for the Department of Energy (DOE). The facility will process the Hanford Site tank waste and convert the waste into a stable glass form.

The Project site is located in the 200 East Area of the Hanford Reservation near Richland, Washington, along the Columbia River. The site elevation varies from 662 to 684 feet above mean sea level. Ambient temperature range is -23 degrees F minimum to 113 degrees F maximum, with relative humidity of 5% minimum to 100% maximum. The project design life is 40 years.

### SCOPE OF WORK

CONTRACTOR requires the services of a seismic and environmental qualification test facility SUBCONTRACTOR, qualified to IEEE 323-1983, IEEE 344-1987 (R1993), and IEEE Std 382-1996. The equipment qualification program supports technical equipment that are classified Safety Class (SC) or Safety Significant (SS). The results will be used to verify material physical properties, performance characteristics, and other attributes as defined by applicable codes and standards for the items and materials procured for use by WTP project.

SUBCONTRACTOR to perform Equipment Qualification (EQ) including Environmental and Seismic Equipment Qualification for the equipment listed on the Equipment Qualification Datasheet (EQD) provided in the Request for Proposal package. SUBCONTRACTOR shall submit an Equipment Qualification Plan for CONTRACTOR review and status prior to performing any EQ activities. SUBCONTRACTOR shall submit the results of the EQ plan in the form of the EQ report. This scope of work shall be organized by Task Order. Task orders shall be added by the CONTRACTOR on an as needed basis. The task orders provide specific details of the scope including the following:

- Explains all related tasks, duties, requirements, and limitations associated with the specific scope.
- Sufficient details to support labor estimates and quantities.
- Any related design documentation or media in support of the scope.
- Reference to applicable codes and standards.
- Any submittals and deliverables as specified G-321E form, as applicable.
- Required schedule for completion of the scope.

Each task order stands on its own and the respective details are specified in each individual task order.

Work is to be completed in SUBCONTRACTORS facilities or at the facility of a CONTRACTOR accepted sub-tier supplier contracted by the SUBCONTRACTOR. CONTRACTOR will arrange for delivery and pick up of the item and material samples requiring testing services to SUBCONTRACTOR.

Quality Surveillance by the CONTRACTOR is monitoring, witnessing, reviewing, or otherwise observing SUBCONTRACTOR performed work, inspections, tests, examinations, and other quality affecting activities, as required by approved plans and procedures. Performed on behalf of the CONTRACTOR, quality surveillance provides in part, the basis for procured service acceptance. Quality surveillance does NOT constitute final acceptance as defined by the commercial terms of the subcontract. Services required by this subcontract will be subject to quality surveillance by the CONTRACTOR or authorized

representative, who shall be granted free access to any or all parts of the SUBCONTRACTORS facility or the facilities of any subcontractor to the primary SUBCONTRACTOR. In addition, the CONTRACTOR shall be allowed access to the SUBCONTRACTORS production, operations, and document management systems as required to verify adequacy of process controls and/or quality verification documentation. SUBCONTRACTOR shall maintain records of CONTRACTOR review of submitted documentation. SUBCONTRACTOR shall make copies of CONTRACTOR reviewed and coded documents available for use by CONTRACTORS Supplier Quality Representative at SUBCONTRACTORS facility.

All Work performed by SUBCONTRACTOR shall meet recognized industry standards of quality centered around IEEE 323-1983 IEEE 344-1987 (R1993), and IEEE Std 382-1996. SUBCONTRACTOR personnel involved in the EQ Program must be proficient in the program and preferably have engineering or science degree, or a combination of relevant experience.

## **QUALITY ASSURANCE (QA) REQUIREMENTS**

Programmatic Quality Assurance (QA) requirements for subcontracts or purchase orders performed in the WTP Jobsite will be:

<input type="checkbox"/>	Non-Permanent or Temporary Work - Generally no QA program required
<input type="checkbox"/>	Commercial Quality - Based on DOE Order 414.1C
<input checked="" type="checkbox"/>	Nuclear Level Quality - Based on ASME NQA-1 2000

Bechtel may require, as an element of bidder pre-qualification, submission of a representative sample QA Program or Table of Contents copy. For Nuclear Level Quality subcontracts, the successful bidder's QA Program must be approved prior to award of the subcontract or purchase order.

## **BIDDER REGISTRATION AND PRE-QUALIFICATION**

The BNI Acquisition Services Subcontracts/Purchasing group is responsible for collection, evaluation, and internal publication of potential bidders' information for the purpose of pre-qualifying them to bid on any particular subcontract or purchase order.

As part of this process, BNI requires all potential offerors to register at the Supplier and Contractor Portal at: <https://www.Bechtel.com/supplier/>

If your company has registered previously, then only supplemental information should be sent to the Bechtel National, Inc. representative noted below.

Information to be provided by potential bidders must include:

- Dun and Bradstreet Number
- Company Name
- Company Address
- Contact Phone Number
- Contact Person
- Email Address
- Safety Data and Information
- Applicable Work Experience and Projects
- Size of Business (Small, Large)

## **WTP BACKGROUND**

Information about the WTP Project can be found on <http://www.hanfordvitplant.com>

## **CONTACT**

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