

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

Requisition Number: 24590-QL-SRA-HA00-00002
Submit Interest By: August 9, 2018
Quality Level: QL
Award Type: Time and Material Subcontract

ESTIMATED SCHEDULE **One Base Year with Option Years**

Issue Request for Proposal: August 23, 2018
Award and Notice to Proceed: October 15, 2018

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

SUBCONTRACTOR performs all the work necessary to provide the following:

The Hanford Waste Treatment project currently has approximately 200 lubricants associated with plant equipment. This large number of lubricants was the result not having a controlled list of lubricants the project wanted to use that equipment manufacturers would choose from for specific applications; instead different equipment manufacturers specified trade name lubricants of the same performance properties and sometimes specified multiple lubricants that were exactly the same as another industry lubricant. This large quantity creates un-necessary inventory stocking levels for equipment maintenance and increases the potential for using lubricants in the wrong application. Also, some of the lubricants called out are no longer available by trade name and alternative lubricants need to be specified.

The scope of work for this subcontract is to evaluate the entire population of WTP lubricants and reduce it to the fewest necessary to meet lubrication requirements for WTP. The vendor will be responsible to issue a formal report establishing a cross reference between all lubricants currently specified to a much smaller list of lubricants projected to be 50 or less. This reduced list of lubricants will establish the foundation of the lubricant control program. At a minimum the report will:

- Clearly categorize lubricants by their functional properties and the environmental conditions they must perform under to ensure protection and minimize degradation of equipment performance and life expectancy.
- Identify the information that provides justification for lubricant equivalencies using ASTM, SAE, ISO, NLGI and/or any other industry standards and numbering systems used for specifying lubricant grades.
- Establish a final listing of component tag numbers to lubricant associations that will be used by the maintenance organizations to use only approved lubricants obtained under a lubricant control program to be implemented.

The vendor will also be required to perform analysis on samples taken from either equipment or lubricant inventory to determine what lubricants are present and if contamination is present indicating that multiple different types of lubricants may have been introduced to the equipment or system inadvertently.

This subcontract must be meet ASME NQA-1 requirements based on:

- The lubricant cross reference list and supporting equivalency justifications will provide the basis for changing the design baseline information of lubricants for WTP equipment and support the lubricant control program.

- Highest standards of laboratory analysis and testing of lubricants is required due to the critical nature of the lubricants and the environments that some lubricants will be subjected to during plant operations.

QUALITY ASSURANCE (QA) REQUIREMENTS

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

☐ 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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