

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

Requisition Number: 24590-04-SCR-HSYH-00001
Submit Interest By: August 21, 2020
Quality Level: 04
Award Type: Firm Fixed Price Blank Purchase Order

ESTIMATED SCHEDULE

April 2021 - First Delivery Required

Issue Request for Proposal: **August 2020**
Award and Notice to Proceed: **December 2020**
First Delivery Required: **April 2021**

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

Over the course of thirteen months, starting on April 2021, an estimated 162,000 gallons of 5 molar Sodium Hydroxide (5M NaOH) solution (also known as caustic soda solution) will be required to adjust the pH during melter tuning feed activities. Prospective offeror shall use 19M NaOH, membrane grade, less than 100 ppm NaCl, to be diluted to 5M NaOH. Offeror must be willing and equipped to safely deliver both full-truckload and less than full-truckload amounts of caustic soda solution. Prospective offeror must be capable of delivering solution by tanker truck/trailer combo.

Equipment and Materials Required

Tanker truck / trailer combo requirements are as follows:

- Tanker truck/trailer combo shall be self-sufficient and come equipped with generators, pumps, hoses, tooling and other components necessary for unloading bulk caustic solution.
- Tanker truck/trailer combo is to possess both a pump capable of withstanding caustic soda and generating an outlet pressure at or under 80 psig for primary unloading, and an on-board air compressor capable of being regulated at 25 psig that can be employed to blow clear the line and piping after unload. SELLER must be able to safely vent the truck tank/lines in the event of a partial blow-over. No RPP-WTP plant supplied air will be available for this operation.
- Delivery truck/trailer must have the ability to drain its delivery hose with its own valve. There will not be a drain valve between the hose connection and the manual blocking valve in plant piping.
- Depending upon delivery location, the truck will need to have the following adapters/connections:
 - LAW-SHR-TK-00003: 1 1/2-inch female cam & groove type D coupler, Dixon Valve Part # G150-D-SS or equal
 - EMF-SHR-TK-00013: 2-inch female cam & groove type D coupler, Dixon Valve Part # G200-D-SS or equal

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 checked="" type="checkbox"/>	Commercial Quality - Based on DOE Order 414.1C
<input 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.

CODES and STANDARDS

- DOT – 49 CFR 173
 - OSHA 29 CFR 1910.1200(g)
- SELLER to identify others as applicable to work scope.

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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