

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

Nondestructive Examination (NDE)

Requisition Number: 24590-QL-SRA-NE00-00005
Submit Interest By: 01/31/2024
Quality Level: QL
Award Type: TBD

ESTIMATED SCHEDULE

Issue Request for Proposal: Q2-2024
Award and Notice to Proceed: Q3-2024

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

The Scope of Work of this subcontract includes, but is not limited to, all tasks required to perform Non-Destructive Examinations (NDE) on temporary facilities and permanent plant piping, vessels, tanks, rails, and structural steel requested by the Contractor. NDE Request (WR-10 or equivalent) will be issued to the SUBCONTRACTOR that defines each examination required.

SUBCONTRACTOR shall provide all necessary supervision, labor, tools, equipment, testing, reporting, and materials necessary to perform and evaluate required Nondestructive Examinations (NDE) on temporary facilities and permanent plant piping, vessels, tanks, rails, and structural steels as requested by the CONTRACTOR. SUBCONTRACTOR shall provide training on NDE practices to CONTRACTOR or at a third-party location as directed by the CONTRACTOR.

Testing Includes:

- Radiographic Testing (RT)
- Liquid Penetrant Testing (PT)
- Magnetic Particle Testing (MT)
- Hardness Testing (BN)
- Positive Material Identification Testing (PMI)
- Vacuum Box Testing (VB)
- Ultrasonic Thickness Testing (UT-TM)
- Ultrasonic Weld Examination Testing (UT-AWS and Thermite Welded Rail)
- Automated Ultrasonic Testing (AUT)

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.

CODES AND STANDARDS

- ASME Section V, Article 4, T-450 as amended by applicable documents and Article 5, 2010 edition.
- ASME B31.3, "Process Piping", 1996 Edition.
- ASNT SNT-TC-1A Recommended Practice for Personnel Qualification and Certification in Nondestructive Testing, 2006 Edition.
- ASTM E317, "Standard Practice for Evaluating Performance Characteristics of Ultrasonic Pulse-Echo Testing Instruments and Systems without the use of Electronic Measurement Instruments", 2006 Edition.
- ASTM E1316 "Standard Terminology for Nondestructive Examinations", 2010 Edition or Later.

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

Bechtel National, Inc.
 450 Hills Street
 Richland, WA 99354
 Attn: Robert Miller
 Phone: (503) 930-8686
 Email Address: rmiller8@bechtel.com