

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

Melter Bubbler Assembly Repair Work

Requisition Number: **24590-04-SCR-MEEM-00027**
Submit Interest By: **JANUARY 29, 2026**
Quality Level: **CM**
Award Type: **FIRM-FIXED PRICE**

ESTIMATED SCHEDULE

Issue Request for Proposal: **February 2026**
Award and Notice to Proceed: **March 2026**
Provide Repair/ Refurbishment Plan: **April 2026**
Estimated Delivery: **June-July 2026**

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

This scope of work consists of the inspection, repair, refurbishment, testing, and documentation of Melter Bubbler Assemblies in support of the LAW (Low-Activity Waste) WTP facility. Work includes receipt of melter bubbler assemblies that have been tested on site and found not to meet vertical alignment design requirements, followed by corrective repair of melter bubbler assembly legs in accordance with provided technical instructions, applicable American Welding Society (AWS) codes, and in accordance with industry standards and best practices.

The contractor shall furnish all labor, supervision, facilities, tooling, lifting devices, and equipment required to safely perform repair and testing activities. The work will be performed at the contractor's shop and requires adequate shop capacity to receive, store, stage, lift, align, weld, and test multiple large-scale melter bubbler assemblies concurrently. The shop must have overhead crane capability suitable for precision lifting and alignment of heavy fabricated components and must be temperature-controlled to support welding, dimensional stability, inspection, and testing requirements.

The scope includes welding and repair of 10 melter bubbler assemblies using Inconel MA-758 alloy materials. Offerors must possess demonstrated MA-758 welding capability, including qualified welding procedures, welder qualifications, and experience performing comparable high-temperature alloy welds on similarly sized and complex fabricated assemblies.

Work also includes the design and fabrication of a bubbler support stand capable of supporting multiple bubbler assemblies for vertical alignment verification and welding operations. Stand fabrication welding shall comply with applicable AWS codes, and certified documentation will be required. Melter Bubbler Assemblies will be received and returned using owner furnished shipping crates.

The contractor shall perform incoming visual inspections, develop and submit a repair/refurbishment plan, execute approved repairs, perform functional testing (including pneumatic, electrical, and alignment testing), and issue final repair, inspection, and test reports with PASS/FAIL results. Owner furnished materials may be provided and shall be tracked and returned as required.

Due to the size, weight, precision alignment requirements, material composition, temperature-controlled processing needs, and documentation burden, this work is suited to firms with experience performing similar-scale fabrication, repair, and refurbishment activities for industrial or complex process facility applications. The RFP package will provide detailed technical, quality, documentation, and submittal requirements.

Equipment and Materials Required

- Due to the physical size, configuration, and weight of the shipping crates and Melter Bubbler Assemblies, crane assisted material handling will be required. The contractor shall provide overhead crane systems or equivalent lifting equipment capable of safely supporting handling, alignment, and movement of the assemblies.
- Crates can hold up to 6 Melter Bubbler Assemblies with dimensions as follows: 67"x49"x136" Weight of 8500lbs
- See attached drawings for applicable configuration, dimensions, and details.

QUALITY ASSURANCE (QA) REQUIREMENTS

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



Non-Permanent or Temporary Work - Generally no QA program required
Commercial Quality - Based on DOE Order 414.1C
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.

CODES

- American Welding Society (AWS) Codes
 - Applicable to welding, fabrication, and welding qualification activities, including fabrication of the bubbler support stand and repair of bubbler assemblies

STANDARDS

- Industry Standards and Best Practices
 - Applicable to inspection, repair, refurbishment, lifting, alignment, material handling, and testing activities

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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