

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

Immobilized Low Activity Waste (ILAW) Containers

Requisition Number: 24590-CM-MRA-MV00-00004
Submit Interest By: October 25, 2018
Quality Level: CM
Award Type: Firm Fixed Price (FFP) with Economic Price Adjustment (EPA)
Issue Request for Proposal: November 15, 2018
Award and Notice to Proceed: February 15, 2019
Delivery Schedule: 600 Containers by September 2020 for Start-up & Commissioning
Potential Future Follow On Work: Operations will require additional containers throughout the 40 year plant life cycle. Quantities and delivery timetable are not finalized at this time.

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 order is for Immobilized Low Activity Waste (ILAW) Container Assemblies. The containers will be used to store vitrified radioactive waste. The initial order is for an estimated 600 containers needed for Start-up and Commissioning. These 600 canisters are required to be delivered to the WTP Project by September 2020.

BUYER will supply design drawings.

SELLER shall:

- Procure and supply all materials necessary to fabricate and assemble the required equipment.
- Fabricate, examine, and test Container Assemblies and Container Lid Assemblies.
- Design and manufacture tooling and equipment required to test and inspect the ILAW Container and ILAW Container Lid Assemblies.
- Prepare containers and lids for shipment per BUYER-accepted procedures, including fabrication of any required shipping support frames, handling beams, and tie-down fixtures.
- Load equipment on BUYER-arranged conveyance.
- Supply documentation such as procedures and process controls for BUYER review and acceptance.
- Supply documentation such as MTRs, inspection records, and other quality assurance document packages for inspection prior to shipment.

The containers are not pressure vessels, however, BUYER will use ASME BPVC, Section VIII, Division 1 as a national consensus standard for materials, fabrication, and inspection. SELLER shall perform work in accordance with an ASME BPVC, Section VIII, Division 1 Quality Control System.

Equipment and Materials Required

- Six-hundred (600) ILAW Container Assemblies and six-hundred (600) ILAW Container Lid Assemblies fabricated from 304/304L SS.
- The LAW containers will be a right circular cylinder 1.22 m diameter by 2.286 m tall (48 in. by 90 in. respectively).

QUALITY ASSURANCE (QA) REQUIREMENTS

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

Commercial Quality - Based on DOE Order 414.1C

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

CODES AND STANDARDS

- ASME BPVC Section VIII, Division 1
- ASME B46.1
- ASNT SNT-TC-1A (2006)
- ASTM A380

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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