

# WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

Concrete core drilling and demolition

Requisition Number: 24590-CM-FSR-AA00-00001  
Submit Interest By: May 24, 2023  
Quality Level: CM  
Award Type: Fixed unit rates with labor stand by rates

**ESTIMATED SCHEDULE** 12 to 18 months

Issue Request for Proposal: May 24, 2023  
Award and Notice to Proceed: July 2023

## 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

SUBCONTRACTORS "Presence on site" includes hands-on work and shall provide all necessary labor, tools, and services including supervision, installation, technical support, construction design support. SUBCONTRACTOR shall perform cut/coring of concrete walls and slabs. Work shall be performed based the following:

1. SUBCONTRACTOR, prior to start of drilling, shall coordinate all work with CONTRACTOR SC and/or Field Engineer.
2. SUBCONTRACTOR shall mount equipment to walls and floors.
3. Concrete Core and Cutting work to be completed under oversight of WTCC Safety, supervision and field engineering.
4. Provide all equipment and equipment accessories to support scope of work.
5. Provide manpower and equipment to support working (2) priority areas to be provided in the Request for Proposal (RFP).
6. Specific Concrete Core and Wire Saw Cutting locations include cutting thru 5000psi concrete, Rebar, Embedded steel Embed Plates as indicated on drawings provided in the RFP.
7. Equipment to comply with OSHA'S Nationally Recognized Testing laboratory, & UL standards. Equipment Make and Model to be provided and approved prior to mobilization.
8. Slab Concrete Core Cutting to include cutting thru Metal Pan Decking, and removal of Wall/Slab Cores.
9. Concrete Coring and Wire Saw Equipment, Electrical and water requirements shall be provided to Bechtel after award and prior to mobilization.
10. All Concrete Core Cutting Locations to be completed on the Out-cell side of walls as indicated by WTCC field Engineering.
11. Mounting / attachment of equipment after contractor approval per Installation and Testing of Post Installed Concrete Anchors and Drilling. Reference to be provided in RFP.
12. Shall align in-field machining equipment to adequately perform scope of work.
13. Core Through wall tolerance to be 2" or less.
14. Provide Scaffold needs to support wall coring to Bechtel after award and prior to mobilization.

SUBCONTRACTOR will perform all the work necessary to provide the following:

Item #	QTY	Description
1	2 EA.	Slab Coring 3" x 1'-2" Elev. +37' level. Drawing to be provided in the RFP.
2	1 EA.	Slab Coring 8" x 2'-0" on slab level +14'-0" level. Drawing to be provided in RFP.
3	3 EA.	Slab Coring 8" x 1'-2" floor level elevation +37'-0". Drawing to be provided in RFP.
4	24 EA.	Wall Coring 3" x 4'-0" Level +14'-0" level. Drawing to be provided in RFP.
5	2 EA.	Wall Coring 10" x 4'-0" Level -21'. Drawing to be provided in RFP.
6	14 EA.	Wall Coring 6" x 4'-0" floor level. Drawing to be provided in RFP.
7	1 EA.	Wall Coring 3" x 4'-0" Level +14'. Drawing to be provided in RFP.
8	1 EA.	Slab Coring 5 1/2" x 1'-2". Core Location to be located after rebar scan. This scan to be provided by Bechtel to awardee.
9	2 EA.	Demo, Wall Coring 6" x 12".
10	25 LF.	Demo Wall (Saw Cut 12" wall)
11	6 EA.	Demo Door, Wall Core 6" x 3'-0" starter holes based on concrete 5000 per square inch (psi).
12	2 EA.	Demo Door(s) with core 8" x 3'-0" thick wall based on concrete being 5000psi. Survey layout to be provided in RFP.
13	27 LF.	Demo Door(s) (Saw Cut 3' Wall) opening 4' - 8" x 8' - 6" inside face and 4' - 9 1/2" x 8' - 7" outside face. Plan to use sawcut core openings to start based on concrete being 5000psi.

**QUALITY ASSURANCE (QA) REQUIREMENTS**

All work performed under this task is quality level CM. SUBCONTRACTOR shall work under the CONTRACTORS Quality Program.

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. 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**

Bechtel National, Inc.  
450 Hills Street  
Richland, WA 99354  
Attn: Pamela Webb  
Phone: (509) 827-2308  
Email Address: [pawebb@bechtel.com](mailto:pawebb@bechtel.com)  
Mailstop: MS10-E