



**INVITATION TO BID
FORMAL BID CONTRACT
2022-121**

KITSAP COUNTY PUBLIC WORKS WASTEWATER DIVISION

CENTRAL KITSAP WWTP DIGESTER REHABILITATION AND MODIFICATIONS

BID SUBMISSION DATE & TIME	Wednesday, May 4, 2022 @ 3:00 p.m. Purchasing Office 614 Division Street MS-7 Port Orchard, Washington 98366
BID OPENING TIME & LOCATION	Wednesday, May 4, 2022 @ 3:15 p.m. Port Madison Conference Room, 4th Floor Room #416 Kitsap County Administration Building 619 Division Street Port Orchard, Washington 98366
MANDATORY PRE-BID MEETING	Tuesday, April 19, 2022 @ 1:00 p.m. Kitsap County Central Kitsap Wastewater Treatment Plant 12351 Brownsville Hwy NE Poulsbo, Washington 98370
ENGINEERS ESTIMATE:	\$3,118,000

The Kitsap County Board of Commissioners will receive sealed bids for the construction of the **Central Kitsap WWTP Digester Rehabilitation and Modifications** until the time and date indicated above. Bids will be received, publicly opened and read aloud at the locations described above. Instructions for the delivery of bids are contained in the Special Provisions for the Project. Prospective Bidders are hereby notified that they are solely responsible for ensuring timely delivery of their bid to the Kitsap County Purchasing Office on or before the bid submission date and time indicated above.

The principal items or elements of construction include:

Digester Site Dewatering

- Provide a ground dewatering plan, install dewatering and groundwater monitoring wells, and operate all dewatering wells to ensure the groundwater level is below the bottom of the digesters to prevent flotation while the digesters are empty or partially empty. Treat and dispose of extracted groundwater to meet the specified water quality. A Dewatering Analysis report is provided as Appendix A in the Contract Documents.

Digester Cleaning and Repair

- Each digester will be drained to the extent possible one at a time by the County. The Contractor will clean and repair both digesters, one at a time.
- Contractor shall remove and dispose of remaining digester contents including grit and debris that has accumulated in each digester. Contractor shall clean the digester walls, ceiling and

floor.

- Contractor shall provide a safe environment for personnel entry into each digester for inspection, including inert nitrogen gas purge (both out-of-service and into service), adequate venting, air quality monitoring and control, and all scaffolding and lighting required for inspection. Inspection will be performed by the County and Engineer.
- Contractor shall perform necessary coating, structural and metal repairs to each digester as determined by the County and the Engineer during the inspection, and as outlined in the Contract Documents.
- One digester will be cleaned and repaired at a time, while the other is used as a sludge holding tank. Contractor shall provide temporary odor control to the digester being operated as a sludge holding tank.

Annular Seal Repair

- Contractor shall remove and replace annular seal of both digesters while the digesters are empty and with the cover in place, as described in the Contract Documents.

Digester Biogas 3-way Valves, Flame Arrestors and PVRVs Removal and Replacement

- On each digester, Contractor shall remove and replace the following equipment that will be provided by the County: one 3-way Safety Diverter Valve (SDV) assembly, two flame arrestors, and two Pressure Vacuum Relief Valves (PVRVs). The data sheets of the 3-way valve, flame arrestor and PVRV are provided as Appendix B in the Contract Documents.
- Contractor shall procure the County preselected manufacturer's services and coordinate with the manufacturer to inspect assembly after installation, then set the pressure relief settings and perform a gas system balance when digesters are back in operation. The quote and scope of Varec Biogas services by Beaver Equipment are provided as Appendix C for reference in the Contract Documents.

Existing Process Valve Replacement

- Contractor shall replace manual process valves and actuators in the Digester Control Building as indicated in the Contract documents.
- Valves and actuators will be furnished by the County. Contractor shall remove and dispose of existing valves and install the new valves and actuators. Contractor shall furnish new bolt kits, gaskets and couplings.
- Contractor shall inspect and clean piping adjacent to replaced valves in case of solids accumulation.

Digester Bypass Piping

- Contractor shall construct new digester bypass piping within the Digester Control Building.

Thickened Sludge Loadout Piping

- Contractor shall construct new thickened sludge loadout piping and valve outside of the WAS Building.

Digester Mixing System Improvements

- Contractor shall demolish existing components, including pumps, pipes and electrical panels as shown in the Contract Documents.
- Contractor shall install new digester mixing pumps provided by the County. The procurement document for the digester mixing pumps is provided as Appendix D in the Contract Documents.
- Contractor shall modify the existing draft tube, replace existing piping and nozzles within the

digesters as shown in the Contract Documents.

Testing and Startup

- Contractor shall be responsible for testing and startup of the individual components as well as the complete system after installation per requirement in the Contract Documents.

A mandatory pre-bid meeting will be held at the location described above. After the meeting, a tour of the site will be conducted. This will be the only tour of the site and facilities.

Bid documents may be found on the Kitsap County Web site www.kitsapgov.com/purchasing/bids.htm. Questions regarding the bid process, contract terms and conditions, or how to obtain copies of the bid documents shall be directed to Glen McNeill at 360-337-4789, or email purchasing@kitsap.gov. Technical questions about the work covered by the bid documents shall be directed to Floyd Bayless, Construction Manager, at (360) 337-5631 or email fbayless@kitsap.gov.

Kitsap County reserves the right to reject any all bids and to waive informalities or irregularities. Bids received after the time set for submission of bids will not be considered.

Each bid proposal shall be completely sealed in a separate envelope, properly addressed as stated above, with the name and address of the bidder and the name of the project plainly written on the outside of the envelope. All bids shall be accompanied by:

- County Bid Proposal – as published in Invitation to Bid
- Signed acknowledgment of receipt of all addenda
- Surety company Bid Bond on an approved form, certified check, or cashier's check payable to Kitsap county in an amount not less than five percent (5%) of the basic Bid
- Subcontractor's List
- Bidder Information
- Bidder Responsibility Checklist;
- Subcontractor Responsibility Checklist;
- Non Collusion Affidavit
- Certification of Compliance with Wage Payment Statutes

Should the successful bidder fail to enter into such contract in accordance with the Bid and furnish all documents and bonds required within the time frames stated in the specifications, the bid proposal deposit or bond shall be forfeited to Kitsap County.

Bids are likely to be rejected if the lowest, responsible, responsive Bid received exceeds the Engineer's estimate by an unreasonable amount.

Kitsap County hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to the advertisement, Women and Minority Business Enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award. Minority Business Enterprises will be required to meet all requirements of law as related to Public Works contracts, including the provision of the Equal Employment Opportunity and Affirmative Action Plan on the basis of any other bidder.

Bidders are encouraged to review and understand the conditions, requirements and Contractor responsibilities of the project's "Permits and Licenses" section outlined in Special Provisions Section 1-07.6.