State of Alaska
Department of Environmental Conservation
Village Safe Water Program
555 Cordova Street
Anchorage, AK 99501
april.akers@alaska.gov

October 7, 2021

To: Vendor List

Re: Amendment 2
RFP 22-VSW-WAA-005
Construction of Modular Water Treatment Plant and Washeteria
Wales, Alaska
RFP Due Date: November 3, 2021 @ 2:00 PM AST

The following changes are required:

1. The RFP due date is extended from October 20, 2021, to November 3, 2021 @ 2:00 PM AST.

The following are questions from interested parties and the department's response:

1. **Vendor:** Can you explain what work is to be done everyone is confused on the old 2018 drawings and the new drawings 2021 has any of the work been done?

   Department: All work shown in the 2018 and the 2021 Project Documents are included in the current scope of work.

2. **Vendor:** Will the "Bid Schedule" be used as an add to or a pull out cost per each independent "Total Amount Schedules" if the Total Adjusted Bid Amount cost is over Budget?

Department: No, the bid schedule will not be used as an add or pull-out cost per each independent total amount schedule.

3. **Vendor:** I am submitting the questions below for clarification on the helical piles as there are discrepancies between the spec and plans:
    - Please clarify the minimum helix thickness required (3/8" or ½")?
    - Can the pile sections be bolted together via coupling per the spec or will the sections need to be welded together per plans?

    Department: The minimum helix thickness of 3/8" shall be required per Specification Section 316614 2.1A. Helical Pile section shall be bolted together per Specification Section 316614 2.1A.

4. **Vendor:** Confirm Substantial and Final Completion dates for this project. There are conflicting dates within the documents. Construction Contract For 00510, indicates that the work shall be complete on or before December 1, 2022 (with LD's tied to this date). Request for Proposal, states Substantial of November 1, 2022, and Final Completion of July 31, 2023. Proposal form 00310 states, complete the work by July 31, 2023.

    Department: The Substantial Completion date is November 1, 2022. The Final Completion date is July 31, 2023.

5. **Vendor:** Information To Bidders 100.015 Wholly State-funded projects; pleas confirm this section is not applicable for this project.

    Department: EPA funds are being utilized for this procurement and grant conditions specify "The recipient agrees to comply with the current EPA general terms and conditions". The department is excluding State preferences in accordance with AS 36.30.890 and 2 CFR 200.31(c).

6. **Vendor:** Section 01 70 00 1.13 indicates the requirement of service and maintenance (of components indicated in Specification Sections) for one year from date of Substantial Completion. Please confirm Contractor will be required to provide personnel onsite for a year (after Substantial) to provide maintenance and service.

    Department: Contractor shall be responsible to make repairs of items installed in a timely manner within the warranty period of one (1) year. Contractor is not required to provide onsite personal but will be required to travel or send an approved representative to repair or replace broken components.

7. **Vendor:** Note 2 on Plan Sheet C201 calls out "Full penetration v-groove welds" for all pipe and weld connections. It is the standard since 1999 to use appropriate socket weld connections that use fillet welds for the assembly of the steel flat-loop evaporators. We have found that this design produces a high quality product at the best price for our customers. The remainder of the thermosyphon parts will be assembled using full penetration v-groove welds (as is our standard). For the process of quoting this project, we are assuming that VSW is looking for the thermosyphons to be our standard manufactured units. Is this the correct assumption?

    Department: The department shall accept the use of socket welds for the assembly of the steel flat-loop evaporators.

8. **Vendor:** Heated crawl spaces over permafrost can cause thermal degradation issues below the structures they support. In my experience, too much heat into the crawl space can be a problem. I have seen a draft geotechnical report for this project where the recommended average crawlspace temperature was 45°F. I have not inspected the mechanical plans to see anything other than heating pipes for the crawlspace. Is there a system in the plans to keep whatever thermostat controls that crawlspace heating system to 45°F max?

   Department: No mechanical system has been included. The Geotechnical Engineer has indicated that the 45°F includes a Factory of Safety (FOS) of 2. Increasing the temperature to 65°F in the crawl space reduces the FOS to 1.4 – 1.5. Assuming continuous thaw stable sands below the flat loops, we do not anticipate any thaw related settlements in excess of the geotechnical tolerances.

9. **Vendor:** There are several instances in the schematic drawings showing a horn and strobe, yet there is no specified instrument. Are these all to be indoor rated, ac powered, surface mount horn/strobe units as called for on drawing E13, note 4?

   Department: Horn Strobe now called out on E310 Note 9. Locations added to plans. Please email the procurement officer to request the 2017 WTP Washeteria Improvements ELEC Amendment 2 drawings. Due to the file size these will be sent to the requestor via Zend To.

10. **Vendor:** The part number for the disconnect on drawing E670 appears to be invalid. Please clarify.

    Department: See department's answer below.

11. **Vendor:** Drawing E670 showing the SPCP calls for components to be mounted inside the door on a swing panel. There is no such swing panel for a non-metallic disconnect enclosure. Please clarify.

    Department: Provide a standard NEMA X enclosure with inner operator door. Delete disconnect switch (item 8) shown on the schematic on E671 and replace with 70/2 DIN rail mounted breaker. This will make the 70/2 the panel main disconnect.

12. **Vendor:** For the SPCP VFD HP and voltage, there are discrepancies between the drawings, pump specification, and model called for in the pump specification. Please provide motor nameplate data to properly size the VFD or provide requested PowerFlex 70 model number.

    Department: The submersible pump is 2HP. The Power supply is 240V single phase. The VFD is being used for phase conversion and must be derated to 50%. The 240/3, 5HP, VFD is sized correctly.

13. **Vendor:** The WHTCP schematic on drawing E683 and UHTCP schematic on drawing E692 show PS-1 120VAC/24VDC supply charger. No other reference to charging load is noted. Please clarify.

    Department: The charging mode is not needed. 10A rating. Power supply is called out in the specifications.

14. **Vendor:** Bid Schedule item 6.6 refers to the Damper Control Panel on E340. The Damper Control Panel shown on E340 detail 1 shows the panel fed from Panel W Ckt 14. The pane W schedule o E370 shows ckt 14 feeding the Dryer Control Panel (DCP). There is no panel detail for a Damper

Control Panel, but there is a Dryer Support Control Panel (DSCP) shown on E610 detail 2, which appears to be the same panel as the previously referred to Damper Control Panel. Are these the same or different panels? If these are different panels, please provide information for the Damper Control Panel.

Department: Damper controls are derived from the Dryer Support Control Panel (DSCP). Replace reference to Damper Control Panel in all locations mentioned.

15. **Vendor:** Depending on clarification on the required Substantial and Final Completion dates (previously submitted question) we have some questions on how/when work is to be complete-specifically related to clean, disinfect and refilling of the WST: As part of the scope of the project is to empty, clean and disinfect the existing water storage tank (WST), we are assuming this effort will need to occur when the new WTP and ground water source have been completed along with the modifications to the existing treatment system. As the schedule has this being completed late in 2022, the subsequent cleaning effort on the WST late in the year would appear to make the filling of that tank in 2022 impossible potentially leaving the community without water over the winter. Can the design team provide some clarification on the project schedule?

    Department: The cleaning of the tank may occur prior to the change over to the new WTP, but at the completion of the new WTP, the tank will need to be drained and refilled. Additionally, the project will not be substantially complete until the contractor can demonstrate the WTP and water source are operational.

16. **Vendor:** Sheet A101 indicates "1/2" Plywood behind GWB", at MOD 2 plan East wall. This is identified as a "W5" wall. Wall Type W5 on sheet A601, does not indicated the ½" Plywood behind the GWB.

    Department: ½" Plywood shall be provided behind GWB at MOD 2 plan East wall as shown on A101.

17. **Vendor:** Finish schedule A701 indicates Ceiling finish 'C1' for Rooms 107 & 108, and 'C2' for Rooms 109 & 110. RCP on Sheet 102 indicate all of these rooms to have Fiberglass Reinforced Paneling. Please confirm requirement.

    Department: Revise Room Finish Schedule A701, Ceiling finish for room 107, 108, 109, and 110 to 'C3'.

18. **Vendor:** Sheet S105 has a callout '207 sim' at Grid 2. Please confirm this reference should be at Grid 1.

    Department: Detail 207-SIM is correctly cut along Grid 2. The "SIM" condition at this location is that there are additional roof trusses (at the wood framed canopy) in lieu of a 2x fascia. It is also appropriated to consider another 207-SIM condition along Grid 1, where there would be no module or 2x6 diagonal framing.

19. **Vendor:** Sheet A101 makes reference to "Beam Above" at Room 110 and Room 102 (on Grid B). Structural detail 205 (called out on S104 & S105) sheet S502 does not indicate the beam. Please clarify.

Department: Beams are indicated on S103.

20. **Vendor:** Ceiling framing plan Sheet S104 has a callout '201' on Grid D; detail 201 references a 'Steel Skid Beam'. Is this applicable here?

    Department: Replace callout '201' on S104 Grid D with '204'.

21. **Vendor:** Plan notes on sheet C301 call out for contractor to supply 500-gallon septic pump trailer, but specifications call out for 1000 gallon Please confirm size.

    Department: Revise Note on C301 to read 1000-gallon septic pump trailer.

22. **Vendor:** Spec Section 06 12 00 was provided. Confirm where SIPs are to be used on the project.

    Department: Remove Specification Section 06 12 00 Structural Insulated Panels from the project manual as it is no longer required.

23. **Vendor:** In consideration that an addenda has yet to be issued to address all our questions, we will be requesting an extension to the bid date. We (and vendors) are unable to effectively move forward with aspects of developing a bid until we understand better the intent of modular, schedule, sequencing and other open items.

    Department: The department has extended the RFP due date.

24. **Vendor:** Detail 3/A603 shows a ramp length of 30'4". Sheet S103 shows the GLBs supporting this ramp at a dimensioned length of ~18'0". Please clarify how the remainder o the ramp is to be supported.

    Department: The GLBs will be either at grade or below grade for the remainder of the ramp. This framing shall be supported by treated timber pads, similar to detail 106.

25. **Vendor:** Arch & Struc details do not indicate the size of stud for wall type W-1, please clarify.

    Department: Wall type W1 are exterior walls. The "Rough Carpentry and Plywood" section of the GSN on sheet S002, note #5 states "Exterior stud walls shall be 2x8 at 16' oc'.

26. **Vendor:** Detail W5/A601 indicates 5/8" Plywood sheathing (exterior face of the MOD unit), please confirm if this intend to be SW4 sheathing as shown in detail 211.

    Department: Use 5/8" sheathing for wall shear walls.

Bidders must acknowledge this amendment on their proposal. A bid that doesn't acknowledge this amendment may be found non-responsive and rejected.

April Akers
April Akers
Procurement Specialist