

USACE Urgent Requirement - GAC Low Flow Emergency Repair #2, Fairchild Air Force Base, Spokane, WA
RFQ W912DW-23-Q-4000
Pre-Quote Questions Answers

Request for Information # Question		Response
1	If re-piping is required, is PEX and/or PVC acceptable? That appears to be the existing conditions on both houses for the most part.	PEX is required inside the house.
2	RW-20 has a lot of bare sheetrock with fire tape, plywood, etc., with no real clear demarcation points for painting, mud, or tape. Do interior finishes have to be patched to existing finish level in general? Should it also be assumed that flooring must patch to existing finish levels on both structures?	Response deferred.
3	RW-296 does have finished walls, with water feeding from below the house. Would it be acceptable in areas where wall access is required that an access panel could be used in lieu of tearing apart and refinishing the walls?	Following award, an Intrusive work plan will be developed and approved by the home owner. Such details will depend on the specifics of the request.
4	As this is a federal project, is any local permitting required for this project?	The Contractor is required to ensure all local permitting requirements are met for work completed.
5	Is there any potential asbestos or other contamination to be concerned about with this project?	No asbestos has been discussed for the houses to date. If asbestos is discovered during work, the contractor shall follow applicable health and safety requirements.
6	Is there an existing warranty on the filtration system on either house?	The current contractor provides maintenance for any filtration system operational issues that arise.
7	Are there existing as-builts for both well houses? Site visit client representative said there are.	As-built information available to date has already been provided.
8	What has the maintenance schedule been for the existing GAC and house filter systems? Has there been ongoing maintenance of both these systems?	The GAC systems are maintained quarterly and as needed for emergency response. During the site visit on 12 Dec, 2022, GAC residual was observed in the toilet tank at RW-296. USACE has informed the GAC contractor who is evaluating the issue and will resolve any issues causing GAC to leave the system prior to construction start of this contract.

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9	Please provide original, post-installation, and current pressure readings for the well system and post-GAC system if possible. What PSI/GPM is required to the house after the GAC system? 20 GPM was floated at one of the houses, but this may vary between structures due to the size of the well lines and branch lines running to fixtures.	<p>The pump inspection for RW-296 is included below conducted to compare the flow rate pre-system to post: The flow test performed at 1704 N Huntington Ln found that the maximum maintainable rate the well pump produced was approximately 13.75 gallons per minute, with 31 PSI of system pressure. The maintained flow rate at ideal system pressure of 61 PSI was approximately 12 gallons per minute. These data points suggest the well pump to be a 2 horsepower, 10 gallon per minute (see attachment). A post treatment system flow rate was found to be approximately 12 gallons per minute at 41 PSI, and 13 gallons per minute at 30 PSI. This trend points to 20 PSI friction loss at 12 gallons per minute, climbing to 30 PSI at 13 gallons per minute. The current treatment system allows ideal yield from the current well pump, with acceptable friction loss.</p> <p>For RW-20 – the treatment system design criteria from the PWS are applicable. System performance criteria that installed systems should be operating within: Max system input pressure (measured at PI-1 over a pressure tank cycle): 80psi (typical setting 65 psi). Min input pressure (measured at PI-1 over a pressure tank cycle): 48 psi. Max output pressure (measured at PI-5 over a pressure tank cycle): Less than 80 psi. Min output pressure (measured at PI-5 over a pressure tank cycle): 28 psi. Max flow (measured at FIQ-1 over a pressure tank cycle): 10 gpm. Min flow (measured at FIQ-1 over a pressure tank cycle): 7.5 gpm. Minimum well pump run time: 2 minutes or pump manufacturer recommended time, whichever is longer.</p>
10	Please provide the manufacturers for the existing GAC systems.	The manufacturer is EA Engineering.
11	The owner of RW-20 mentioned that the master bath toilet is not flushing. Do we need to take care of this as part of this project? Will new toilets be required, or just new piping and valves to the toilets?	For RW-20, once flow to the house is restored, piping, water appliances and toilets will need to be replaced if flow reaching the devices is not meeting minum requirements as spificied in the scope.
12	Will the whirlpool tub in RW-296 be required to be replaced as well?	Response deferred.
13	Section 5.2.2 calls for removing and replacing piping and fixtures for one kitchen sink, one utility sink, two bathroom sinks, two showers, one washing machine, and one dishwasher. This does not appear to cover all fixtures in these residences. Should we bid for full replacement of all fixtures as per site walk discussions, or should we follow what is scoped in the RFQ?	Responssde deferred.
14	Will the owners of the properties be responsible for moving materials or vehicles out of the path of construction?	Response deferred.

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15	SOW states to allow \$200/day voucher for hotel accommodations per house whenever a shower/sink/toilet is not available at end the end of each workday. Would it be correct to assume that after award, both houses start the clock on this since the current water supply is not acceptable? RW-20 has been without water for 6 months and pressure at the manufactured home is low. If the water is off to the house already, do we need to supply this voucher?	Vouchers are only to be supplied while active construction is going on in the house which impacts the residents ability to function in the house - if the resident asks for this option.
16	There is an existing water softener in RW-20. Should we replace the current water softener at the location where it is currently plumbed or install the new softener in the GAC shed and re-pipe? What is the intent here?	Installing a new water softener at the current location would be the likely outcome but will depend on the specifics identified during the post award evaluation and Intrusive Work Plan agreements with the home owner.
17	Is discharged water from the existing well (if untreated) considered contaminated material that needs to be containerized and disposed of? If not, is it acceptable to discharge any of this water either to ground or sewer systems?	Response deferred.
18	Does existing plumbing in the garage at RW-296 require replacement? We did not walk this during the site visit.	Response deferred.