

Boiler #1 Repair  
Project No. 581-17-103  
Bidder Inquiries

No.	Dwg. / Spec.	Location	Comment	Reviewer	Harrell Design Group Response
1			Does the burner need to be manufactured in the U.S.A?	MJB	Yes; however, please refer to paragraph 2.5 and 4.7 of the solicitation.
2			Is the intent to recycle the burner or is it contractor's responsibility to haul all demo material off-site?	MJB	Follow the requirements of specification 01 74 19 specifically paragraph 1.1 D. 6. Yes the burner is to be recycled and not landfilled.
3			After speaking with the supply rep for the burner, they stated that there would be a minimum 8 week lead time for the new burner to ship. After submittals are turned in and approved, this will cause the project to be at the 90 day completion mark or past it before work can be done to install the new burner. Can the project duration time be extended to accommodate product procurement lead time?	MJB, VA COR	Per the VA CO the performance is extended to 145 days.
4			Timeline for construction is not realistic based on past experience with burner lead times. Lead time has historically been 10-12 weeks for burners after approved submittals.	MJB, VA COR	See Response to #3 above
5	235239 MP101		Please clarify extent of refractory work.	MJB	The extent of the refractory work is outlined in specification section 23 52 39 2.1 A. and Sheet MP101 general note B. and key note 23.07.
6			There is a potential need for rental boiler due to Boiler-3 possibly being the lead and performing the bulk of steam production. Potentially doesn't comply with N + 1 requirement. Will a rental boiler be required during project execution?	MJB	There is no need for a rental boiler and there is no requirement for one in the solicitation or contract documents. The scenario given in the question is not relevant as there are three boilers that are operational and the N+1 condition does exist without Boiler #1 online.a
7			Is a National Board Certified Inspector required to complete an inspection before boiler is placed back	MJB	YES, See sheet MP001 note 8. Also see 23 52 23 3.3 B.1 – since all the devices attached to the

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			in service?		boiler are being replaced the boiler is to be treated as a new boiler.
8			The Master panel will have gauges per specification that will need to be piped to existing devices not in the project scope, please clarify extent of integration.	MJB	Refer to drawing MP501, Detail D-1, the master panel is to be constructed for a total of 4 boilers. Per the drawing detail boilers #2, #3, #4 are to be connected in the future and not in this scope of work.
9	230911		Spec section 23 09 11, paragraph 2.13 talks about recorders. For pricing purposes, wouldn't the SCADA provide this function?	MJB	The purpose is that the master control and boiler controls are to operate totally independently of the SCADA system. Duplication will exist.
10	230911		Spec section 23 09 11, paragraph 2.16 Dangerous Gas System. The spec states "Not Used". To what extent do we incorporate existing system into the new Master Control Panel?	MJB	It is not integrated in this project. The requirement for spare I/O points will cover this is a future project.
11			Can another site visit be scheduled?		VA COR/CO to respond
12	235239		Section 23 52 39, page 7, pp 2.2.D.7 Modulating Feedwater Control Valve. In section b. Performance, the specifications state "Refer to schedules on the drawings for pressure, temperature, and flow requirements." There are no schedules for the valves on the drawings. Please provide schedules for the feedwater control valves.	MJB	Addendum #1 dated 10/4/2017 attached.
13			During the walkthrough, Hays Cleveland's latest generation oxygen electronics are currently being used in the boiler 1 panel. As a savings to the government we can reuse the oxygen analyzer electronics. Please confirm that the latest generation oxygen electronics that are in the current panel can be reused in the new boiler 1 panel.	MJB	Bid the project as specified in the documents.

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14	010000 and 230911		Section 01 00 00, page 2, pp 1.3 Statement of Bid Items. Bid ALTERNATE #1 states delete materials and labor to provide SCADA software. In Section 23 09 11, page 32 thru 34, pp 2.5 Computer Workstation/Server and Programming, the computer workstation is the “materials” for providing the SCADA software. Normally this specification section is together with the SCADA system software. Section 2.6 lists the SCADA software as optional, deduct for bid. Software and electronics are constantly evolving. Obtaining the hardware without the software is ill-advised. Please change section 2.4 to be included with bid alternate 1.	MJB	Bid the project as specified.
15	230911		Section 23 09 11, page 55, pp 2.13, section C and section D. Section C states that each recorder should be limited to two boilers. Section D.3 states “provide all new sensors and transmitters for each recorder input”. The intent of the drawings and specifications is for Boiler #1 controls and instrumentation only. Please clarify that the recorder is for boiler #1, with the new sensors and transmitters limited to drawing MP501. New sensors and transmitters for boiler #2 to be provided in the future. Please clarify that the second recorder will be provided in the future with sensors and transmitters for the balance of plant, boiler #3, and boiler #4.	MJB	The intent of the specifications and drawings is to provide a master control panel equipped for a total of 4 boilers. The recorders for 4 boilers will be provided for all four boilers and the new sensors and transmitters will be provided for boiler #1 only. As the remaining three boilers are up fitted in the future new sensors and transmitters will be provided at that time.
16			Is this a tax exempt project? If so, will the VA be proving the Prime Contractor with a tax-exempt	MJB	VA projects are not tax exempt. State and local taxes will apply.

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			certificate?		
17			Is there any scope that's required to be performed during non-working hours?		Steam system shutdowns are coordinated through the COR and may be require weekend or night work.
18	230911		Please advise on what type of DDC system is currently in place and how the boiler control system is to be integrated (point wise). The solicitation docs mention integration of the boiler controls, however there is no mention of the DDC controls (Division 23 09 23) and the specs call for integration in the existing ECC.	MJB	There is currently no DDC or BAS system to interface with on campus. Any future interface to a future BAS system will be done under a future project. The only requirement is for the new boiler controls/SCADA in regard to interfacing with an ECC, BAS, or DDC system is for BACnet IP compatibility either device resident or by gateway.
19			What size is the boiler main steam out nozzle?	MJB	The existing nozzle is 4"
20	MP101		MP101 23.15 specifies to put a blind on the main "gas" valve. This note points to the steam header. Is the intent to put a blind on the main steam isolation valve?	MJB	See Addendum #1 dated 10/402017 for new note 23.17. blinds are required at both the steam valve and the gas valve