

QUESTIONS & ANSWERS #2

WQCF Sludge Thickener and Dewatering Unit No. 3 Project CIP 24006 & 24007

- Q.2.1. System 1: Biological Trickling Filter requires a minimum EBRT of 20 seconds. 108" of media is insufficient for the specified EBRT of 20 seconds. 108 inches of biological media would only result in 11.3 seconds EBRT. A minimum media depth of 198" would be required to meet the 20 second EBRT requirement. Please clarify.
- A.2.1. Refer to the revisions to Specification Section 11395A in Addendum 1.
- Q.2.2. System 2: Activated Carbon Adsorber requires a minimum EBRT of 5.3 seconds. The EBRT through the system as specified is only 3.8 seconds. A dual bed system would be required to meet the minimum EBRT requirement of 5.3 seconds within the same 8' diameter footprint, however, 5.3 seconds EBRT is excessive for a carbon polisher and 3 seconds minimum should be sufficient. Please confirm.
- A.2.2. Refer to the revisions to Specification Section 11395A in Addendum 1.
- Q.2.3. Per the specifications, the odor control system must be completely packaged, and all components of the system (including the nutrient reservoir) must be mounted on the vessel deck. Instead of a separate biological vessel and separate carbon vessel, would Carollo consider as an alternative technology one (1) packaged Hybrid Biofilter Odor Control System consisting of a two stage biological / carbon adsorption system in a singular unitary construction, consisting of a single low profile vessel, internal structural members, inorganic media, internal piping, liquid distributors, electrical controls, irrigation valves, integral nutrient storage tank, fan, and accessories mounted on the vessel?
- A.2.3. Packaged hybrid odor control systems will not be allowed.
- Q.2.4. Should the City consider a Hybrid Biofilter Odor Control System with low profile vessel (~7'11" to top of flanged outlet), can the City remove the requirement for access ladders and platforms?
- A.2.4. Refer to Q&A 2.3.
- Q.2.5. Should the City consider a Hybrid Biofilter Odor Control System of unitary construction, can the City remove the requirement for grease filter / mist eliminators between the biological and carbon stages? This is not necessary for the proposed alternative design.
- A.2.5. Refer to Q&A 2.3.
- Q.2.6. Should the City consider a Hybrid Biofilter Odor Control system of unitary construction, can you please remove the requirement for fire resistant FRP resins? The unitary system is being irrigated with water and poses a low risk of combustion.
- A.2.6. Refer to Q&A 2.3.

Q.2.7. Should the City consider a Hybrid Biofilter Odor Control system of unitary construction with deck mounted fan, will a single fan be sufficient or will redundant fans still be required?

A.2.7. Refer to Q&A 2.3.

Q.2.8. If redundant fans are still required, and a Hybrid Biofilter Odor Control system of unitary construction is accepted, will the City allow for remote mounting of the redundant fans off the vessel deck?

A.2.8. Refer to Q&A 2.3.

Q.2.9. Is the project listed above planning to get pushed at all? We are trying to organize our bid schedule and would like to bid this project but also have 3 other water treatment bids at the same time. So I thought I would ask in case you knew anything?

A.2.9. Please refer to Addendum No. 1.

Q.2.10. The plans on your website and the builders exchange don't line up with the index for the project referenced above. Seems like some are missing. Can you please advise?

A.2.10. Please refer to Addendum No. 1.

Q.2.11. We would like to be better aware of future projects that the City of Manteca puts out to bid. Can you let us know where and how you advertise your projects so that we don't miss them?

A.2.11. Please sign-up on the City's website <https://www.manteca.gov/departments/project-bid> to receive email notifications for all City of Manteca public works projects.

Q.2.12. To allow for the Prime Bidders to solicit electrical and instrumentation bids and to allow for our subcontractors to have adequate time to solicit vendor pricing and prepare a competitive bid, please extend the bid date to March 4th based on the addendum being issued on our around February 13th. However, if the addendum is issued the following week, please extend the date to the week of March 10th to allow at least 10 to 15 working days from the issuance of the addendum to allow Prime Bidders time to solicit competitive bids for the electrical and instrumentation scope of work.

A.2.12. Please refer to Addendum No. 1.