

May 2020 – Pre Board Questions

p. 60 Please clarify rationale behind sampling description. Why are samples being taken downstream of influent samples? Are influent samples taken by geographic source?

Influent samples are not taken by geographic source. The Rational was two-fold for sampling the four locations at the facility:

1. Since other wastewater facilities were having positive results with the COVID-19 testing I made the decision to sample multiple points in the treatment facility to evaluate virus deactivation throughout the treatment process in the event there was COVID-19 present in the influent flow stream. The use of multiple locations within the facility allows us to potentially better understand the removal efficiency of the treatment facility.
2. It allows us to have data available for the Pebble Beach Company and the Independent Recycled Water Users Group when the question is asked if the Reclaimed Water is Safe to irrigate the designated locations of the Reclaim Project. It also gives us the ability to respond to public inquiries – both regarding use of reclaimed water and anything disposed of in the outfall line.

Once the May COVID-19 Study is completed we will discuss with BioBot (lab) limiting the sampling locations for the next phase of the of their study to just influent treatment plant flows unless there is a COVID-19 detection which would trigger increased sampling to all locations to check the removal efficiency of the treatment facility. We are also conferring with City of Santa Cruz (also a member of CCLEAN) because we were originally included with them in study to enable view of Central Coast from a regional perspective. At this time we are proposing continued sampling through the fall at influent only. The value is that the data has high potential to indicate viral shredding rate (load) in the community and should correlate well with Public Health records. This will be a good predictive tool for the public health and economic projections of the community. Influent only is the most valuable for the information needed, and likely the only predictive one. While there is a cost (\$1,200 per test kit) we believe stopping prematurely may be a waste of our initial efforts and investment.

p. 77 The work w/ H2O has been going on for quite a while now. I would like to hear a progress summary from Ed, and perhaps he can include results of test runs of the sand filter system.

1. The work with H2O Innovations is a contract for their Intelogx Plus Package which provides the following: Remote access to the control network for troubleshooting of the PLC code, Graphical representation of the Micro Filtration and Reverse Osmosis System performance data, customizable trends, alarm notifications, and storage of historical data. It includes a customized monthly report produced by the H2O Process Engineering team. The report includes process analysis and system enhancement recommendations. This work with H2O Innovations will continue until the Reclamation Committee decides to terminate the contract or change to another Engineering firm.
2. The other Engineering firm (Trussell Technologies) that the Pebble Beach Company requested that CAWD have on contract to review Micro Filtration and Reverse Osmosis System data has requested additional Data Points for monitoring. CAWD staff has been working with H2O Innovations on bring those Data Points online.
3. The Sand Filters are online and operating very well. Staff members are learning the operation characteristics as the majority of the current operations staff was not working at CAWD when these sand filters were last in operation during 2008. The goal is to get the PO4-P concentration

below 2 mg/L with the ultimate concentration less than 1 mg/L as requested by H2O Innovations. Staff will be adjusting chemical dosage until that goal of less than 1 mg/L. Current, PO4-P levels for the Micro Filtration feed water are as follows; May 11 – 1.97 mg/L, May 13 – 1.48 and May 15 – 1.69 Mg/L.

How are the Pryor seminars working out? Are they keeping staff interest? Informative?

1. Operations Staff is using the Fred Pryor and Target Solutions online training when Operators are working from home and at their assigned work space at the treatment plant. Staff has preferred the Target Solutions seminars as they are more related to safety and the COVID-19 Pandemic.
2. Staff feedback is they like the content of both Groups and find it relevant to the current situation.
3. Yes, staff is requesting for Management to expand the categories to include some management courses. Which Kevin and I are looking into.
4. Some staff members have indicated they still prefer having an instructor present to be able to ask more defined questions when they arise.

p. 85 The Background section has little to do with the purpose of the RFP.

Correct. It is intended to give a brief overview or snapshot of the District only.

The purpose of the RFP is given in the section immediately above the Background section.

p. 136 Will Bestor Engineers set survey monuments? If so, will they be sufficiently accurate to be of use to us in our Coastal Commission monitoring compliance? If not to either question, why not?

The survey for the CRFREE Mitigation Pipeline Underground Project does not provide information relevant to the Coastal Commission Conservation Easement. The CRFREE project survey focuses on the lagoon near the existing pipe crossing which is outside the areas being considered as part of the WWTP CDP Permit. The new survey will be tied to the WWTP topographic survey by transit from the lagoon area to existing benchmarks at the WWTP (so we will have a “master survey”). Although the transit will be along the existing easement so will not capture a large swath of the state park property or the WWTP. There is an existing USGS monument on the hill by the Cross above the lagoon which will be captured in the survey.

p. 140 3.3 "responsive" bidder? Responsive in what sense?

Responsive bidder is a legal term:

Responsive bid" or "**responsive proposal**" means a **bid** or proposal that substantially complies with the invitation to **bid** or request for proposals and all prescribed procurement procedures and requirements.

p. 160 Why removal of invasive weeds? "Weed" is undefined. What is its definition?

In this context “invasive weed” would be defined as non-native plants that are prolific and tend to crowd out native vegetation. It is fairly well established in this area what is native and not. Bordering the State Park has led us to partner with State Parks on “vegetation management” with CalFire around the WWTP. The State Park biologists oversee work on their property and help point out non-native plants which are treated more aggressively than the native vegetation. In return we get to maintain a clear area along our easements and around the WWTP.

p. 166 Have we records that we were asked to mark our line, and did so?

Request to keep the Board updated monthly on the progress of the claim against the County.
We believe this happened well over 20 years ago. We have records of USA being called in, but nothing more.

Yes, we will keep Board updated. Suggest that it not be monthly, because the County is notoriously slow. It may be more efficient only to report when action occurs, rather than to have it on the agenda monthly if there is not any activity.

p. 172 & 180 Staff time reimbursement cap. If staff time reaches the cap, will staff cease work until extra reimbursement is negotiated?

If we reach the reimbursement cap we will contact Dan Kieg and advise him that extra funds will be required. We will give Mr. Kieg advance notice so that he has time to prepare. Note: we were specifically asked if the \$6K could be a "hard" contract number; however, we very specifically declined that request.

p. 176 Kick off meeting date? Request you keep directors informed in case we want to attend?

The kickoff meeting date has not been set up yet. MNS Engineering has not been hired yet. We anticipate that it will occur in about a month +/- . We can invite the Board if there is less than a quorum interested. If it reaches a quorum than we would need to notice a board meeting.

p. 185 What are the constituents of these rates:

Principal Engineer	\$77.78	Plant Engineer	\$77.78	Principal
Accountant	\$58.05	Admin Svcs/Board Clerk	\$39.95	

This is the hourly wage rate only. During negotiations, an agreement was made with Mr. Keig to charge wage rate only – no overhead.

p. 189 From where is the Highlands pump station currently controlled?

Highlands is currently controlled from Highlands pump stations or SCADA at the treatment plant.

p. 193 Please define "ongoing concern" more tightly.

I would define "ongoing concern" in this context by utilizing California's Resilience Roadmap. As of May 25th, Monterey County is at Stage 2 – or in the middle of the roadmap. I would be inclined to recommend a conservative position that we open up to interns when Monterey County is at Stage 4.

For our guests from Carmel High School, at this time both their website and the Monterey County Office of Education website indicate school is closed through the end of the school year. There is no information about when they will re-open for the coming 2020-21 school year. Recommend that we use this time to negotiate agreements with Carmel High School should the Board decide to move forward, structure our internship program, and depending on Resilience Roadmap status perhaps be prepared to start a program with fall term.

Currently staff is working daily to monitor employee health, sanitize and disinfect, and to engineer in workplace changes as appropriate. We also closely monitor who we allow to enter both the plant and Admin facility. Allowing an intern to enter the facility now adds one more unknown risk.

p. 197 We should have some idea of the tradeoffs between expenditures and results. My sense is that we easily could expend \$25k - \$50k on a couple of reputable industrial hygiene consultants. Have we defined the risk level CAWD is willing to tolerate? Do we know how to construct to a given risk level?

President White and Director Rachel had a project meeting with Treanor and Foley and indicated that there is very little appetite for any increase to staff's risk of exposure to COVID. However, there is also a sense that CAWD should seek ways to continue providing previous service levels at the Admin Building (i.e. in person permit processing and use of board room by community groups). The balance of risk and service levels are perhaps contradictory, but that leads to the overall goal of the project, which is to reconcile these contradictions through implementation of adequate engineering controls to limit staff exposure while opening the office to previous service levels. Based on the conceptual design ideas it appears that the contradictory issues can be adequately resolved although it will require attention to detail in design and implementation.