



Electronic Transmittal

September 2, 2022

To:
City of Richmond
Joe Leach, PE
Director of Public Works
450 Civic Center Plaza
Richmond CA 94804

From:
Veolia North America
Mike Greene
General Manager, Veolia-Richmond
601 Canal Blvd, Richmond, CA 94804

RE: MONTHLY OPERATIONS REPORT_ MAY-2022

ATTN: Joe Leach

The following operations report is being submitted pursuant to Section 5.11 of the 2002 Operations and Maintenance Agreement between the City of Richmond and Veolia Water North America.

The report presents a summary of activities for the month of May, 2022. Note, significant portions of the information contained in the following summary have been previously covered in the (live) Biweekly Progress Meetings conducted between the City of Richmond and Veolia.

SUMMARY

1. SAFETY

1.1. Training: Required Monthly Safety Training was completed for staff



1.2. Covid 19 Restrictions: Masks are currently no longer required but can be worn by anyone that wishes to wear a mask

2. CAPITAL PROJECTS COLLECTIONS SYSTEM

2.1. Annual Pipeline Rehabilitation Project

- a) Mary is working with Nicole to identify Baykeeper's expectations for SECAP. VWHA provided a proposal for SECAP and Master Plan updates. The TA for Vivian is submitted and is pending action.
- b) No further updates for June

2.2. Marina Bay Parkway Force Main Extension (aka Moody Underpass Sewer Reconfiguration Project)

- a) The Task Authorization for CO #2 was sent to the City 3/14/22.
- b) As of 5/05/22, no change in status. Still pending action by the City.
- c) As of 5/18/22, no change in status. Still pending action by the City.

2.3. Inaccessible Manhole Project

- a) Nine Inaccessible Manholes - New for 2022
 - i. Nine locations (including 4 in Unity Park) were identified as "Inaccessible". The Manholes are deeply buried, under debris and/or covered with concrete.
 - ii. The project has been split into two phases. Phase I will be to locate, unbury and make a safe/temporary plate over. Phase II will be to raise the manholes to grade. Bayhawk provided proposals on 5/9/22 for Phase I.
 - iii. On 5/13/22, Yader and Jayne reviewed the proposals. On 5/13/22 Jayne provided cost and budget information to the City for Phase I (4 of the 9 locations) plus 2 additional locations to support VHA's current design efforts.
 - iv. Next steps are pending a reply from the City if Bayhawk should be authorized to proceed with Phase I and how many of the locations (4 or 4+2=6) to include or if a different approach is desired.

2.4. Trash Capture Device Installation



- a) Design Meeting #9 was held Tuesday May 10th, 2022. Subtronics findings reviewed. Preliminary Design and budget verification activities continue.
- b) The next meeting will be Tuesday May 24, 2022, at 2:30 pm.

2.5. First Street Wet Weather Project Design

- a) On 5/02/22, Post CCTV Videos for the remaining point repairs were forwarded to V.W. Housen Associates for review. As of 5/18/22, Post CCTV Video review continues.

2.6. High Priority Inaccessible Line Replacement

- a) As a follow-up to the 4/20 meeting, Jayne provided a Prioritization List to Mary on 5/4/2022.

2.7. Grade 5 RAA Line Replacement

- a) Status as of 5/18/22: Still pending action/response from the City.

2.8. Bishop & Western

- a) As of 5/05/2022, pending Post-CCTV.
- b) As of 5/18/2022, status unchanged.

3. CAPITAL PROJECTS WWTP & FACILITIES

3.1. Regulators & Permits

- a) SRF Project Air Board (BAAQMD) permits
 - i. BAAQMD Senior Staff had additional questions. Carollo has submitted requested information.
 - ii. All renewals received for 2021 Air Board (BAAQMD) permits.

3.2. Grit/Screening/Blower and Aeration Upgrade Project (SRF-funded)

- a) Shimmick installed the Blower Building open web steel joists.
- b) Shimmick placed and finished Blower Building equipment and electrical panels and concrete foundation pads.



3.3. Cogen Project

- a) The existing BAAQMD ATC permit expired on 12/30/21. Yorke Engineering submitted the City of Richmond signed air board permit extension application to BAAQMD on 5-9-22. The new ATC permit expires in December 2023.
- b) The DB team submitted the Cogen 100% design documents for review and comment on 4-18-22.

3.4. SCADA

- (a) Overall SCADA project progress is 99% complete

3.5. Sludge Thickener

- a) Veolia is preparing a work scope change order TA for submission, review and approval by the City of Richmond.

3.6. Ferry Point Sewer Pump Station Replacement

- a) The Preconstruction Conference was held 5/3/2022 at 9:00 am.
- b) Bi-Weekly Construction Meetings will be Tuesdays at 10:00 am. The first meeting was held May 17, 2022. Subsequent meetings to be via MS Teams. Next meeting is June 14th.
- c) Long lead items are the priority for Submittals. The Contractor has set up Procore Access and trained Project Team Members. Submittals and RFIs are already being processed via Procore. Estimated Lead Times for Emergency Back-up Generator (50-52 weeks) and WESCO Electrical Gear Submittals (20 submittals prep+20 lead time = 40 weeks) are being firmed up. Issuance of the Notice to Proceed is pending schedule

3.7. Critical Plant Projects

- a) Carollo issued DC004 WCWD Effluent Dechlorination via SBS Injection Quill on 4-28-22. Myers & Sons submitted DC004 pricing to Veolia for review on 5-17-22.
- b) Myers completed forming and installing SBS facility foundation rebar on 5-16-22.
- c) Myers placed SBS facility electrical room slab concrete on 5-17-22.
- d) Myers completed encasing conduit duct banks with concrete.



4. OPERATIONS AND MAINTENANCE

1. Collection System

- a) Stege and WCWD cross connections investigation – ON HOLD
 - i. Significant full-pipe Stege cross connection flow observed. Flow could be contributing anywhere from 150,000-GPD to 400,000-GPD to the City of Richmond, taxing both the collection system as a contributor to SSO's in the Harnett area and the treatment plant. Veolia advises that the City contact Stege to determine if flows at this cross connection are all sanitary or if I & I (as is suspected) is principal contributor to these flows. Veolia and City met with Stege, more than (200) parcels connected to cross-connection and Stege stated that no MSA exists to address cross-connection. It has been reported that Stege completed a system upgrade and only has a local system overflow connected at this time to the Richmond Sanitary System.
 - 1. The City is reviewing the proposal with IEC to install a new monitoring meter. Will be in the new 21/22 budget year.

b) SSO's

- i. One (1) in May
- ii. YTD SSO's (5); BSA total allowed for 2022 =18

c) Emergency & Miscellaneous Repairs

- i. A total of twenty-five (25) Emergency & Miscellaneous Repair work requests since 1/1/22.
- ii. Appendix with status of new emergency point repairs will be created.
- iii. Veolia is seeking final direction for its 2/14/20 RFI to the City regarding guidelines to initiate Emergency Repairs to known Grade 5/4 structural defects that are identified and prioritized within the 2020 RAA as not needing immediate repair. In 2020, the City's SOP has been to task Veolia with immediately repairing certain structural defects and Veolia seeks to have finalized which structural defects are to be immediately repaired and which are to follow the prioritized schedule noted in the 2020 RAA. On 2/14/20, the City provided general guidance to Veolia's RFI and stated that a



formal SOP is under development; Received proposed SOP from Yader on Thursday, April 9th. Under review. Needs further discussion.

- d) Service Calls - Veolia has responded to 59 customer service calls for assistance for 2022.
- e) Veolia working to establish Storm Water Collection System O&M for the purposes of developing scope of annual work to be executed
 - i. O & M will be drafted and submitted to the City for review, comment, and most importantly, priority of PM work to be executed under the available stormwater budget. This would include trash capture devices. On hold.

2. Plant Compliance

- a) Blending Events – No rain and no blending for May 2022.
- b) A total of (0) blending events for the year in 2022.
- c) Odor complaints 2022 = 8. Two (2) in May via email from the community reported to BAAQMD. All fence lines and perimeter checked ok.
- d) One exceedance for monthly effluent TSS average from April; known causes for TSS exceedance have been corrected, suspected contributors for TSS exceedance (toxic inhibition to the plant) are being evaluated.

3. Maintenance Items

- a) Lift Station Update-Ferry Point: Sulfelox is currently on.
- b) Admin Building drain plumbing is failing, significant collapse. We have a proposal from RotoRooter. We have had suggested vendors out for review, they will revisit and CCTV to price repairs. We reached out to the vendors again last week, still no results. One vendor will not perform commercial work. Quotes in hand from Roto Rooter and Bay Hawk, two others declined to quote. Roto Rooter has the lowest price. The city will review its options.
- c) Chemical Building Door modification will be handled by CPM and the SBS project.

4. Treatment Plant

- a) Aerator all aerators are in service.



b) Wet weather season: No rain this month

Other discussion:

- i. Had a meeting with West County, the City and Veolia to discuss the sludge/leachate line flush issues we have been experiencing. Initial testing determined that the Plant isn't receiving enough effluent water from the County for the City's WWTP to properly flush the line after the digester sludge transport is completed. This causes problems because of the digester sludge coming back into the influent line to the plant when the County transports leachate to the plant through the same shared line. In cooperation with EBMUD, a 2 week testing period is underway each night from midnight until 2 am. Also, because of future plans and Contract between the County and EBMUD, the City has asked for us to engage Carollo for a proposal to review and design an alternative flush source using the Richmond Plant's 3W system. Initial call was completed and follow up site visit was conducted on 5/25 by Carollo. Waiting on 3W design proposal from Carollo. Received proposal from Carollo and presented TA to the City on 6/16/21.
Veolia is working closely with EBMUD and when we are not transporting digested sludge to West County, they will ramp up effluent reuse. Contract was executed with Carollo and design is underway. Design report has been sent to the City.
- ii. Brickyard Cove HOA, Richmond has annexed.
- iii. Standard definition or procedure of an emergency and how to respond.
- iv. 2 Electric Service Carts, we have only two serviceable carts remaining and could use replacements for those sent off to salvage.



- v. WPCP Flow meters have been replaced with final system programming expected to be completed during the month of May-2022.