



Electronic Transmittal

September 8, 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_ APRIL-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 April, 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. . Cutting/Carlson & Hoffman – 24,791LF = 4.7 miles

a) All site work is complete and closed out. Veolia has submitted the final invoice to the City for retention. Final invoice paid 4/13/22; this item is complete.

2.2. 2017/18 RAA project for identified grade 4/5 defects

a) The Veolia legal team has submitted a letter stating Veolia's position. To be discussed further during mediation.

2.3. Annual Pipeline Rehabilitation Project

a) City to discuss with Nicole segments with sags – not graded as structural defects but rather O & M defects, still causing issues/SSOs – structural defects ARE rated so can be graded. Need to discuss with Vivian and the City. – Mary is working on identifying a budget. (SECAP and Master Plan.)

b) Mary is working with Nicole to identify Baykeeper's expectations for SECAP. VWHA is assisting with budget for the SECAP and Master Plan updates

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

- As of 4/21/22, no change in status. Still pending action by the City.

2.5. Manhole Rehab Program FY19/20

- City has requested that an additional manhole project for \$250k be put out to bid at the end of January. Veolia is working on obtaining a list of additional manholes in need of rehab and will provide that to the City for review as soon as possible. Current goal is to have a list of manholes to the City the first week of August. Per the City's instruction, the goal is to put this project out to bid 07/01/20.
- All work is on hold pending legal review.

2.6. Force main manhole bid package.

- On September 4, 2020, Veolia submitted a Task Authorization request to the City for rehabilitation of 5 manholes (identified in their letter), with a total authorized amount of \$82,660. On September 14, Veolia submitted a revised TA for an additional manhole not included



in the City's original list, this TA is for 6 manholes with a total amount of \$106,822. City to provide approval/ update.

- On October 14, 2020, Veolia submitted Task Authorization for the two Forced Main Manholes that were identified and directed to be rehabilitated by the City on 10/2/20. TA was approved by the City 12/1//20. Veolia has also issued a subcontract to Bay Hawk, Inc. as directed by the City for performing this work. It has not been signed and returned to Veolia.
- The City informed Veolia on 10/21/20 that it deemed the first TA for this project to be null and void.
- On November 2, 2020, the City directed Veolia to proceed with rehabilitating 2 more Force Main manholes (ICI and Port) using Bayhawk, and to perform the work under Bayhawk's current Emergency Operations contract.
- On 1/19/2021, Yader directed Veolia to engage V&A Engineering to inspect the MHs which were rehabilitated by Bayhawk - since these two FM MHs were rehabilitated by Bayhawk without informing Veolia due to which Veolia team was unable to witness the lining and provide guarantees/warranties. City also directed Veolia to issue a PO through Operations rather than as a CPM contract to address Bayhawk's concerns about the terms and conditions. On 1-29-21 V&A Engineering inspected the Bayhawk Epoxytec lined MH's.
- Veolia provided V&A's MH Lining Assessment to the City on 2/26/21.
- Final invoice has been submitted to the City. It was paid on 12/22/21.

1. Sewer Master Plan & Risk Model Update 2018

2.7. Final Master Plan submitted to the City on 10/17/19; Final SECAP (w/ VWHA) submitted to the City on 11/15/19.

- City planning to request City Council adopt the report once Baykeeper comments have

2.8. 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.

2.9. Trash Capture Device Installation

- a) Design Meeting #8 was held Tuesday April 19, 2022. Subtronics Investigation scheduled for May 4, 2022. NCE has been requested to provide a proposal for Environmental/ Permitting Services. The next meeting will be Tuesday, May 10th at 2:30 p.m.

2.10. First Street Wet Weather Project Design

- a) As of 4/21/22, post CCTV Video production and review continues.

2.11. High Priority Inaccessible Line Replacement

- a) The Contractor is scheduled to start pre-CCTV, finding manholes and identifying laterals the week of April 25th for the 550 Key segment.
Mary, Yader, CV and Jayne met on 4/20/22 to discuss the budget and remaining work

2.12. Grade 5 RAA Line Replacement

- a) On April 13, 2022 the City informed Veolia that insufficient budget remains and change orders will not be approved until after July 1st when the 2022-2023 budget is released.
- b) Mary, Yader, CV and Jayne met 4/20/2022 to discuss the budget and prioritize pending Change Orders.



2.13. Bishop & Western

- (a) As of 4/21/2022, pending Post-CCTV.

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 completed setting MHs #8 & #9, multiple storm drains into MH#8 and has begun the 3W line replacement as contract work east of the central island.
- b) Shimmick began constructing the blower building CMU block wall, including door frames on 4-18-22

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) Veolia issued a subcontract to Thompson Builders on 4/19/2022. The PreConstruction Conference is scheduled for 5/3/2022 at 9:00 am.

3.7. Critical Plant Projects

- a) During Myers' confluence structure as built and condition assessment efforts, Myers documented significant KGV and pipe material degradation, which prevents KGV replacement in accordance with the contract documents. Veolia directed Myers & Sons to pot hole the confluence structure inlet pipe to determine the feasibility of installing the replacement valve on the WCWD pipe outside of the confluence structure. A conference call between WCWD, Carollo and Veolia to discuss the pothole investigation data and the CIM, resulted in reversing the previous decision to install a KGV and instead install a slide gate on the inside of the confluence structure wall and to remove the deteriorated piping. Additionally, Carollo presented several alternative options to the CIM and it was decided to issue a DC detailing a pressure injection quill assembly on the WCWD influent pipe, north of the confluence structure.
- b) Veolia directed Myers & Sons to investigate existing DBs to determine if they can be used for project electric and instrumentation controls. The DB between the new SBS and the confluence structure can be reused and the DB between the SBS and the chemical room cannot be reused, due to undersized conduit sizes.
- c) Myers & Sons completed backfilling the duct bank installations within the SBS facility footprint. Myers & Sons continues excavating and installing duct bank conduits between the new SBS facility and the chemical room.

4. OPERATIONS AND MAINTENANCE

I. Collection Systems Operations and Maintenance

- a. 4-year-out wastewater system cleaning progress



1. 2004 Service Agreement annual cleaning miles objective is 49.8 miles
 - i. 2021 planned hotspot cleanings (altered by the BKSA) and pre-CCTV cleaning is 139.34 miles. The total cleaned year to date is 24.22 miles. On target to be completed by Dec 31, 2022.
 - ii. The unplanned cleanings, e.g., service calls, post construction, etc. is 3.07 miles
2. 10-year-out wastewater system CCTV condition assessment progress
 - a. 2004 Service Agreement annual CCTV miles objective is 19.7 miles
 - i. Grade 4 and 5 miles planned annual condition assessments (altered by BKSA) and 70% or less is 43.3 miles. The total completed year to date is 19.72 miles. On target to be completed by Dec 31, 2022
 - ii. Unplanned completed post-construction CCTV is 0.58 miles
 - b. Total gravity pipe segments in system reporting in InfoNet is 3,647
 - i. Pipe segments with CCTV < 10-years and > 70% complete is 3,426
 - ii. Pipe segments with CCTV > 10-years is 221
 1. (21) are greater than 10 years
 - a. (5) Inaccessible due to train tracks
 - b. (7) Scheduled for CCTV - Pending
 - c. (6) Part of Inaccessible Manhole Project
 - d. (3) Inaccessible for various reasons



2. (178) have surveys within 10 years but are less < 70% complete and are on the inaccessible list.
3. (22) are Inaccessible due to submerged pipes - (Keller Beach) awaiting future planning from the City

4. Sanitary Sewer Overflows

- a. Actual SSO's in April: 0
- b. 2022 Actual SSO's, YTD: 4
 - i. 2022 Permissible SSOs per Baykeeper Settlement Agreement:

5. Customer Service Calls = 11

6. Emergency & Miscellaneous Repairs

- a. Wastewater point repairs = 3
- b. Manhole cover repair = 2
- c. Stormwater point repairs = 0

7. Storm water collection response calls

- a. Customer service calls = 0
- b. Catch basins cleaned = 0

1. Plant Compliance

- a) Blending Events – No rain and no blending for April 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
 - i. Standard definition or procedure of an emergency and how to respond.
 - ii. 2 Electric Service Carts, we have only two serviceable carts remaining and could use replacements for those sent off to salvage.
 - iii. WPCP Flow meters have been replaced with final system programming expected to be completed during the month of May-2022.