



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_ FEBRUARY-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 February, 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. SRF Applications (WWTP Projects – Grit/Screening and Aeration Basin)

- a) The City has received reimbursements #1 through #3 in the amount of \$5.9M; reimbursement #4 is routing with the State; reimbursement #5 has been submitted to the State on 2/7/22.

2.2. . 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 is still waiting for payment from the City.

2.3. 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.

2.4. 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

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

- a) The base contract Scope of Work is complete. The TA for Change Order #01 was submitted to the City on 2/4/22 (replace “bottomless” MH at Jetty Drive).
- b) Post Construction: The project team continues to monitor MH in the area after rain events.



- c) Preliminary As-Builts were transmitted 1/10/22. Additional invert and rim elevations were requested. Post CCTV is complete pending receipt from Contractor.
- d) The Project Team identified (3) active laterals on the 15" gravity sewer line on 27th Street that the new Force Main terminates into. A preliminary plan to install 991 LF of dedicated 8" Main Line for these laterals and eliminate the latest area where SSOs are now occurring at the cul-de-sac on the South end of 27th Street has been formulated. V.W. Housen Associates provided a profile for this proposed additional line. Per the City's request, cost proposals were requested from (2) contractors and received 1/26/2022.
- e) On 2/3/22, Yader contacted Jayne with the request that the 27th Avenue workscope (for which cost proposals were provided the preceding week from D'Arcy & Harty & W.R. Forde) be added to W R Forde's existing Marina Bay FM Relocation Project as Change Order #2. Costs for ESDC and Material/Compaction Testing (Questa) are being gathered for inclusion in the Task Authorization for this Contract Amendment.

2.6. 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.

2.7. Force main manhole bid package.

- a) Veolia provided V&A's MH Lining Assessment to the City on 2/26/21.
- b) Final invoice has been submitted to the City. It was paid on 12/22/21.

2.8. 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



2.9. Inaccessible Manhole Project

- a) As of 2/9/22, Additional signatures are being gathered for 550 Key segment Street all the way North to Roosevelt. Per Jacqueline on 2/23/22, these are still at the City Manager's Office for signatures.
- b) The 3 Idaho segment has been deleted and was replaced by another line (Dimm Alternative #01). The TA for this Change was signed by the City on 1/26/22. As of 2/9/22, Sewer line replacement work of this segment (Dimm Alt #01/Easement) is pending processing of (19) signed Easement Letters. Per Jacqueline on 2/23/22, these are still at the City Manager's Office for signatures.
- c) Dimm Alternative #02 - I13MH58 - I13MH50) with a collapsed manhole and recent SSOs. This segment is in ROW. Work on this Dimm Street segment started on 1/18/22 and was complete 1/21/22. The TA for CO #2 was sent to the City 2/9/2022. Still pending.
- d) Cost Estimates from the Contractor were provided to the City (Mary) on 2/4/22 for CO #3 (Variation in Estimated Quantity at E. Richmond) and CO #4 (worst case scenario at Key). On 2/10/2022 the Contractor provided "worst case scenario" pricing for 516 Dimm Street (I13MH_52_I13MH51) ("Dimm Alt #3") which is another Dimm Easement line off the 2022 RAA list. Mary is preparing a Resolution authorizing additional funding for the 3/15/22 Regular Council Meeting.
- e) Materials are available. The Contractor confirmed at the 2/23/22 weekly meeting that they could have a crew available the week of 2/28 ready to remobilize and return to Key & Dimm when Easement Letters are finalized. They will start with pre-CCTV and provide a 30% Design while mobilizing for Pipe work.

2.10. Trash Capture Device Installation

- a) The third design meeting was held on 2/22/22. Based on the footprint of the trash capture device boxes and the UG utilities, the location along Bayview appears to be unsuitable for installation of the device. Preliminary CDS sizing indicates a "Quad" Unit will be needed which requires a footprint of 50' x 50'. Onsite Meeting scheduled for 11:00 am Monday 2/28/22 to evaluate alternate locations beginning with preferred location at City owned property at the end of the pipe adjacent CalTrans ROW. Yader stated preference for this location versus too close to apartment complexes or multiple utility conflicts.



2.11. First Street Wet Weather Project Design

- a) As of 2/24/22, Post CCTV production and review continues.

2.12. High Priority Inaccessible Line Replacement

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2.13. Grade 5 RAA Line Replacement

- a) The Contractor, W.R. Forde continued their design investigation utilizing drones and CCTV. On 2/3/22 additional CCTV footage was



filmed from the recently discovered manhole beyond the Massage Parlor.

- b) The week of 2/21/22 Forde performed potholing in ROW areas and prepared the pull pit for the first segment of pipe bursting.

2.14. Bishop & Western

- a) On 2/8/2022 Contractor Change Order No. 1, inclusive of both approved TAs was fully executed by Bayhawk and Veolia.
- b) The Contractor will provide Post CCTV and As-Built Drawings. The database will be updated to depict actual conditions.

3. CAPITAL PROJECTS WWTP & FACILITIES

1. Regulators and Permits -

- a) SRF Project Air Board (BAAQMD) permits
 - i. BAAQMD Senior Staff had additional questions. Carollo has submitted requested information.
 - ii. Per email from BAAQMD staff (Ryan Atterbury) of 7/01/20: "The application has now gone through supervisor and manager approval. The Authority to Construct (AC) Permit was issued on 7/28/20.
- b) SRF Reimbursements
 - i. City invoice payments to Veolia will be made independently from SRF reimbursements to the City.
- c) All renewals received for 2021 Air Board (BAAQMD) permits.

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

- a) Veolia submitted a TA for Blower Building Louver Modifications for submission to the City for review and approval on 2/17/2022.
- b) Veolia submitted a TA for DC 2.1 Influent and ML Channel Walls on 2/17/22 to the City for review and approval.
- c) The City approved and returned to Veolia TA CO 7 for FA directed work on 1/27/22.
- d) Shimmick completed placing the Pista lower level slab concrete foundation on 2/18/22.
- e) Shimmick completed placing the blower building footing concrete on 2/18/22.
- f) Shimmick continues selective demolition within AB3, including piping, columns and pyramid structures. Shimmick began installing AB4 blanking places on 2-8-22.



- g) Shimmick began AB3 crack repairs in accordance with the contract.
- h) Shimmick completed lime-treating, compaction and grading of stockpiled soils within the central island. Shimmick installed and compacted an AB over the graded central island. Shimmick intends to use the central island as a project staging area.

3. Cogen Project –

- a) The existing BAAQMD ATC permit expired on 12/30/21.
- b) Yorke Engineering continues to manage the BAAQMD permit extension application request with Ryan Atterbury with the air board. The air board requested data from Veolia related to both Critical Improvements and the Cogen design projects for their permit review and renewal efforts.
- c) The City approved the TA CO and Veolia executed a CO with Overaa to incorporate the Dystor cover into the project design scope. Overaa/HSe is working on the 90% design drawings. Tentative timeline for submission of 90% complete drawings is mid-April-2022

SCADA Conversion Upgrade –

- d) Calcon completed the WWTP and remote lift station P&IDs. The P&IDs are stored on a server at the WWTP.
- e) Calcon continues to work on Digester and Headworks PLC upgrades (Bid Item 10). This work is anticipated to be completed in May 2022. (due to material supply constraints) Materials are currently on back order and are not expected to be delivered until April/May 2022.
- f) Calcon and Veolia continue project closeout efforts begun in September 2021.
- g) Calcon began field instrumentation tagging (Bid Item 10) and is approximately 50% complete with this Task Item work.
- h) Overall SCADA project progress is 99% complete.

4. Seismic Evaluation -

- a) All contract work is complete.
- b) A Seismic Analysis Ph II TA was submitted to the City for review and approval on 12/22/21.

5. Sludge Thickener Project -

- a) The City, Veolia and the DB team from Myers & Sons and Lee & Ro met on 10/12/21 to have a project kickoff meeting. The NTP is established for 10/18/21.



- b) Myers & Sons presented the draft BODR at the 12/16/21 review meeting.
 - c) The DB team conducted a 50% preliminary design review meeting on 1/6/22. The DB scheduled a follow up 50% design review meeting to occur on 2/9/22. (The DB will issue 50% design documents to all stakeholders in advance of the meeting in February.) The City and Veolia responded to the DB team with review comments to the 50% design submittal on 2/19/22. The DB team is evaluating the review comments provided.
6. Ferry Point Pump Station Replacement -
- a) The City has requested that the construction delivery method be changed from Design-Build (DB) to Design-Bid-Build (DBB). Attorneys are discussing the issues involved.
 - b) Veolia and the City agreed to have the City manage the design process and to have Veolia manage construction.
 - c) The City received proposals and awarded this project to Schaaf & Wheeler Consultants in November 2020.
 - d) Ben Kellman with Mack5 transmitted 100% design documents to Veolia for review and comment on 10/12/21.
 - e) Veolia prepared a draft RFB and transmitted the draft RFB to the City and Mack5 on 11/8/21. Comments received on 11/10/21 and Veolia is working on incorporating City comments and finalizing the bid package.
 - f) RFB for this project was posted by the City on 12/20/21.
 - g) The (Mandatory) PreBid Meeting was held Tuesday 1/11/22. (12) prospective contractors attended the meeting in addition to representatives from Schaaf & Wheeler, Mack 5, J. Majors Associates, Veolia and Carollo.
 - h) A meeting to review draft responses to bidders Q&A Questions will be held Wednesday January 19, 2022 at 10:00 am.
 - i) Addendum No. One was issued Friday 1/21/22 via PlanetBids.
 - j) Bid Proposals were received Thursday, January 27, 2022 at 11:00 am via BidsOnline.
 - k) (6) Bidders submitted bids ranging from \$1,469,708.00 to \$2,597,369.00.
 - l) Bid Packages were received from Richmond Purchasing on 1/27/22.
 - m) Review is underway. The project team is hopeful the recommendation for contract award will be on the Agenda for the 2nd Council Meeting in March.
 - n) As of 2/24/2022, A TA is being prepared by Veolia based on the 2nd Bidders Proposal. The low bidder is Non-Responsive.

Force Main Dornan Drive



- o) NCE was selected by the City to perform design services
- p) Design is on hold. Once design is complete, however, it is anticipated the construction portion will be managed by Veolia.

7. Critical Plant Projects - SBS (Chemical Building) Facility

- a) Myers & Sons mobilization to the WWTP was on 12/13/21.
- b) Myers & Sons began site excavation for the SBS facility.
- c) Veolia requested Myers & Sons submit a cost proposal to furnish and install a new chemical room door, in advance of taking delivery of the chemical metering pump skids. Veolia submitted a TA to the City for review and approval on 2/16/22.
- d) Myers & Sons notified Veolia that the generator manufacturer stated there will be a 45+ week delivery requirement for the generator. Myers & Sons requested to perform two separate closeouts on the project to facilitate the post completion date project generator delivery anticipated.
- e) Myers & Sons has stopped work on the project, pending Carollo resolution of DC001 (54-inch Wall & Cap Detail). Myers requested design modifications to simplify the shoring requirements surrounding the 54-inch pipe due to existing soil & backfill conditions, which Carollo is accommodating by providing a design clarification.
- f) 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.

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. To date two (2) SSO in 2022, one (1) January one(1) February
 - ii. YTD SSO's (2) BSA total allowed for 2022 =19
- c) Emergency & Miscellaneous Repairs
- i. A total of Ten (10) 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) 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.



e) Pipe Tech Software Upgrade underway, Laptop for push camera received, Pipetech being installed. Training for the new software interface being scheduled.

2. Plant Compliance

- a) Blending Events – No rain and no Blending for January 2022.
- b) A total of (0) blending events for the year in 2022.
- c) Odor complaints 2022 = Three (3). One (1) in February anonymously from the community reported to BAAQMD who proceeded to visit the plant. All fence lines and perimeter checked ok. We started Sulfelox feed to Ferry Point Lift station at 1 GPD as a preventative measure.
- d) Two exceedances for TSS both from January.

3. Maintenance Items

- e) Lift Station Update-Ferry Point: Sulfelox is currently on.
- f) 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.
- g) Chemical Building Door modification will be handled by CPM and the SBS project.

4. Treatment Plant

- h) Annual inspection by BAAQMD was conducted 1/25/22.
- i) Aerator all aerators are in service.
- j) Wet weather season: No rain this month
- k) Wet Weather Treatment configuration: Most systems are fully online and in operation. Secondary Clarifier suction arms have fouled with debris from the rains, cleaning and service of clarifier #1, #2 complete and #3 is being drained and cleaned for service.

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.
- 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 meter is currently obsolete and unserviceable, no more parts available. New meters are part of the Critical Improvements Project not available until April 2023. Flow meters are on order, we do not have a delivery date yet, to schedule the installation.