



\*\*\*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  
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**RE: MONTHLY OPERATIONS REPORT\_ JANUARY-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 January, 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) See Plant Projects for capital project update. Regular biweekly meetings continue between the City, Veolia, ESS and the State to manage the payment applications and reimbursement process.
- b) The City has received reimbursements #1 through #3 in the amount of \$5.9M; reimbursement #4 is routing with the State; reimbursement #5 is being prepared by ESS.

### 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) VWHA is working on a 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 is being prepared (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 have been requested from (2) contractors.

## 2.6. Manhole Rehab Program

- 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.

## 2.7. Master Plan Update

- a) Final Master Plan submitted to the City on 10/17/19; Final SECAP submitted to the City on 11/15/19.
- b) City planning to request City Council adopt the report once Baykeeper comments have been submitted.
- c) Meeting occurred with Baykeeper on 7/27/20; no other update.

## 2.8. Inaccessible Manhole Project

- a. The City is assisting with easement access for two (2) of the locations: 550 Key (13 signatures) and 1460 Rifle Range (2 signatures). As of 1/25/22, 550 Key is still pending. Pipe replacement on Rifle Range started 1/27/22. The 3 Idaho segment has been deleted. Being replaced by another line (Dimm Alternative



## 2.9. Trash Capture Device Installation

- a) The TA was approved on 10/5/21. Professional Services Agreement (PSA) for Harris & Associates has been executed. Design work is underway.
- b) Design progress meeting to discuss Design status was held Tuesday, January 25, 2022 at 2:30 pm and design is progressing. Meetings every two weeks: Next on 2/8/22 at 2:30 pm.

## 2.10. First Street Wet Weather Project Design

- a) In January 2022, manholes were coated. NASSCO compliant Post-CCTV and Final As-Builts are in process.
- b) Pavement restoration will be scheduled after all Post CCTV footage is complete and reviewed.

## 2.11. High Priority Inaccessible Line Replacement

- a. The City is assisting with easement access for two (2) of the locations: 550 Key (13 signatures) and 1460 Rifle Range (2 signatures). As of 1/25/22, 550 Key is still pending. Pipe replacement on Rifle Range started 1/27/22.
- b. The 3 Idaho segment has been deleted. Being replaced by another line (Dimm Alternative #02 - I13MH58 - I13MH50) with a collapsed Manhole and recent SSOs, this segment is in ROW. Work on Dimm Street started on 1/18/22 and was complete 1/21/22.
- c. Another segment of work at Dimm (Dimm Alt #01) may be added after the Easement process (19 signatures) is complete.

## 2.12. Grade 5 RAA Line Replacement

- a. One remaining line in this work package requires easement letters: 407 MacLaughlin. As of 1/25/22, Jacqueline Majors continues to obtain signatures. The Contractor will continue Pre-CCTV and design investigation work as soon as access is granted to the Manhole on the other end of the collapsed pipe. Jacqueline delivered signed letters to City 1/25/22.



- b. The (potential) easement at AC Transit became a moot point when the line was rerouted down 21st Street in lieu of going under the block wall. All work was performed in the existing ROW. The Contractor coordinated with AC Transit Personnel on site to ensure buses could stay on schedule with no adverse impacts throughout the entire construction period.
- c. As of 1/25/22, W.R. Forde has completed sewer line replacement segments at 21st & Potrero; 22nd & Virginia, 23rd & Rheem, 1600 Chanslor, 4925 MacDonald and 21st Street between Bissell & Carlson adjacent AC Transit.

#### 2.13. Bishop & Western

- a. Multiple differing site conditions were identified early on by the Contractor. The TA for CO #01 (Existing routing in field varies from Contract Documents) was submitted to the City 12/22/21. The TA for CO #02 (Replace +/- 100 LF of 10" from Western to Bishop at 10") was submitted 1/20/22.
- 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) All renewals received for 2021 Air Board (BAAQMD) permits.

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

- a) The City and Veolia met on 1/24/22 to review and discuss Shimmick's cost proposal to accomplish the work described in DC002.1
- b) Shimmick continues to submit FA cost pricing data for Veolia's review and approval, prior to submission to the City. Veolia is assembling Shimmick's cost proposal into a CO for submission to



- the City for review and approval. (Note: TA Change Order 7 was submitted 1/12/22).
- c) Shimmick completed excavating for the Pista grit facility construction. Shimmick placed CLSM as grit subgrade stabilization material. Shimmick excavated the grit sump and drain lines. Shimmick has formed, placed rebar, installed drain lines and conducted several pre concrete placement inspections for the lower level Pista grit foundation.
  - d) Shimmick completed installing the blower building electrical ground ring. They also completed installing the Blower Building transformer ground ring. Shimmick layed out, excavated and completed constructing the blower building duct banks. Shimmick installed duct bank concrete and is backfilling over the duct backs with AB.
  - e) Shimmick continues selective demolition within AB3, including piping, columns and pyramid structures.
  - f) Carollo structural engineer was onsite on to conduct AB3 concrete wall assessment on 12/28/21. Carollo issued their wall assessment report on 1/13/22. Veolia and Carollo are reviewing the assessment report in advance of meeting in the field to discuss implementing various recommended repairs.
  - g) Shimmick began lime-treating stockpiled soils placed within the central island in advance of beginning soil compaction efforts for final soils placement within this area.

### 3. Cogen Project –

- a) 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.

#### (1) SCADA Conversion Upgrade –



- a) Calcon completed the WWTP and remote lift station P&IDs. The P&IDs are stored on a server at the WWTP.
- b) 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.
- c) Calcon and Veolia continue project closeout efforts begun in September 2021.
- d) Calcon began field instrumentation tagging (Bid Item 10) and is approximately 50% complete with this Task Item work.
- e) 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 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.)
- b) The DB team was onsite on 1/18/22 with their environmental (air board) sub-consultant to conduct a site review.

#### 6. Ferry Point Pump Station Replacement

- a) A meeting to review draft responses to bidders Q&A Questions will be held Wednesday January 19, 2022 at 10:00 am.
- b) Addendum No. One was issued Friday, 1/21/22, via PlanetBids.
- c) Bid Proposals were received today, Thursday, January 27, 2022 at 11:00 am via BidsOnline.
- d) (6) Bidders submitted Bids ranging from \$1,469,708.00 to \$2,597,369.00.
- e) Bid evaluation will start upon receipt of Bid Packages from Richmond Purchasing.



- f) The project team is hopeful the recommendation for contract award will be on the Agenda for the 2nd Council Meeting in February.

#### 7. Force Main Dornan Drive

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

#### 8. Critical Plant Projects - SBS (Chemical Building) Facility

- a) Myers & Sons began site excavation for the SBS facility.
- b) 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. Myers submitted a cost proposal on 1/25/22, which is currently under review by Veolia.

### 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.
    - 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) Emergency & Miscellaneous Repairs



- i. New year starts with (0) Emergency & Miscellaneous Repair work requests since 1/1/22. We have two sinkholes awaiting USA utility locating before the work can begin.
- 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 9<sup>th</sup>. Under review. Needs further discussion.

- c) 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.

d) Pipe Tech Software Upgrade underway, will also add to push camera laptop upon receipt

## 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 = one (1) in January. BAAQMD was notified of a manure smell and came to investigate. There was no smell detected here at the facility, both north and south H<sub>2</sub>S fence line monitors were well below limits. Inspector was satisfied we were not the likely cause of the complaint.

## 3. Maintenance Items



- a) Lift Station Update-Ferry Point issue: Sulfelox is currently off until odors are indicated again as we are at the end of season with plenty of flushing from rain.
- 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) Annual inspection by BAAQMD was conducted 1/25/22.
- b) Aerator all aerators are in service.
- c) Wet weather season: No rain this month
- d) 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 under way, #2 and #3 to follow.

#### 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 is annexing.
- iii. Standard definition or procedure of an emergency and how to respond.
- iv. 2 Electric Service Carts, we have only two 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.