



May 25, 2020

(Via electronic mail)

To:  
City of Richmond  
Yader A. Bermudez  
Director of Public Works  
450 Civic Center Plaza  
City of Richmond, CA 94804

Subject: April-2020 Monthly Operations Report

From:  
Brian Bruce  
General Manager, Veolia-Richmond  
Municipal & Commercial  
VEOLIA NORTH AMERICA  
601 Canal Boulevard, Richmond, CA 94804

Mr. Bermudez,

Section 5.11 of the 2002 CITY OF RICHMOND WASTEWATER TREATMENT FACILITY CAPITAL IMPROVEMENTS, OPERATIONS, MAINTENANCE AND MANAGEMENT AGREEMENT BY AND BETWEEN THE CITY OF RICHMOND, CALIFORNIA AND VEOLIA NORTH AMERICA ( the Agreement) states (in part), "*The Company shall submit to the City a monthly progress report detailing work accomplished and an updated schedule. The monthly progress report shall include a summary of work activities during the reporting month, a listing of upcoming work activities, a listing of submittals delivered during the reporting month, a listing of submittals scheduled for delivery the following month, a listing of any permit violations, and an updated schedule which reflects critical path activities. The updated schedule shall set forth major activities and reflect any change in the Company's estimated construction progress schedule from the schedule submitted the prior month.*"

Therefore, the following Monthly Operations Report is being submitted pursuant to Section 5.11 of the 2002 services agreement.

# Monthly Operations Report: April-2020

---

- I. Summary of work activities during the reporting month April-2020
  - a. Safety
    - i. There were no OSHA Recordable Incidents or Lost Time Accidents
  - b. Capital Projects Management
    - i. Baykeeper Settlement Agreement Projects
      1. Year-2 Sewer Pipe Rehabilitation project – Risk Assessment Analysis (RAA) project
        - a. Notice to Proceed was issued March 6, 2020; W.R. Forde Associates began work on replacement segments.
        - b. The project must be completed by June 30, 2020, in order to comply with a Baykeeper deadline.
        - c. Status of complete as of 4/30/2020
          - i. Miles completed: 0.91-miles
          - ii. Miles work-in-progress: 0.44-miles
          - iii. Miles pending approval of bid item Substitutes and/or Proposed Change Order to bid items: 0.48-miles
          - iv. Miles removed from project: 0.13-miles
      2. Capacity-related sewer projects
        - a. Cutting/Carlson & Hoffman
          - i. The project was substantially complete by the revised completion date of March 15, 2020 provided to Baykeeper.
            1. Project close-out QA/QC revealed (3) uncompleted pipe segments (Plan Lines Q, R, &T); the matter was promptly reported to the City. Pursuant to City direction, Veolia is taking action to complete these line segments which includes changing a line repair to a line replacement due to deterioration discovered in a different segment of the pipe.
          - ii. Punch-list work continued through April (i.e., re-striping damaged street markings, final elements of CCTV work, etc.)
        - b. Macdonald & Virginia
          - i. By the end of April 2020, the Contractor had installed approximately 13,002 (11,637 lf Macdonald; 1,365 lf Virginia) of linear feet of main pipe and laterals.
          - ii. Change Order No. 1 TA was submitted to the City in March to address a manhole that was originally identified as a repair but, upon exposure, required a complete replacement; the TA is under review by the City.
          - iii. The Project is on schedule and is anticipated to be complete by January or February 2021, well before the June 30, 2021 Baykeeper deadline.

# Monthly Operations Report: April-2020

---

- c. First Street Design
    - i. Vivian W. Housen & Associates continued its design of the First Street sewer relief in April.
    - ii. Design work is proceeding; anticipated 60% design is by May 2020.
      - 1. Pursuant to City direction, two pipe segments will be put out to bid ahead of time to the pre-approved list of contractors due to operational concerns that they could contribute to SSOs; Task Authorization to follow.
  - d. Bush & Hayes Sag
    - i. During construction of the 13th and 23rd Street pipe replacement project, it was discovered that the existing concrete duct bank at Bush and 23rd was constructed around an existing sewer line within Bush Avenue. In order to replace the sewer line, the contractor crossed under the AT&T duct bank creating a low point in the system that collects debris. In an effort to improve this situation, the City and Veolia tasked Vivian Housen & Associates (original 23<sup>rd</sup> designer) to design the best solution.
    - ii. Vivian Housen & Associates identified reconfiguration of the existing utilities to a more shallow installation that will enable the City to move the sewer line back to its original vertical elevation; that design work was completed earlier this year.
    - iii. AT&T met with Veolia and the City to begin moving the duct bank.
    - iv. Full repair is anticipated in May 2020.
- ii. Manhole Rehabilitation Program
    - 1. The FY19/20 Manhole Rehabilitation Project opened bids on January 30, 2020; the project was awarded to W.R. Forde.
    - 2. A Task Authorization was prepared and submitted to the City in early March. The City is waiting for City Council's review and approval; The City disputed Veolia's mark-up on the project. While Veolia reserves its rights on the issue, to keep the project moving, a revised TA was prepared and submitted which reflects a mark-up of 10% instead of 16.5%. This project is on the May 19, 2020 Council Agenda.
- iii. Wastewater Treatment Plant Projects
    - 1. The bid documents for the Grit/Screening and Aeration Upgrade Projects (as part of the High Priority Project) continued to be reviewed for constructability.
    - 2. The Cogen Project Phase I was ongoing in April, with remote meetings continuing due to the COVID-19 constraints. The issue of whether a heat capture system is necessary is being analyzed.

# Monthly Operations Report: April-2020

---

3. The SCADA (Supervisory Control and Data Acquisition) Phase I Project, which replaces the existing SCADA system and maintains the upgrade, was ongoing in April. The Phase I portion is expected to be complete by December 2021.
  4. Seismic Evaluation – The City selected ZFA Structural Engineers. The project was approved by Council on March 3, 2020, and a TA was submitted to the City on March 30;
  5. Sludge Thickener Project (Design/Build) – RFQs were received on January 10, 2020, and evaluated on January 21, 2020. Veolia staff submitted a draft RFP, which the City had questions about. Veolia is in the process of responding to those questions.
- iv. Storm Water Projects
1. Trash Capture Device –
    - a. A new Trash Capture Device project is being planned for a Bayview location. This item will be presented to the City Council for review and approval in May.
- v. Other Projects
1. Sewer Master Plan Update
    - a. The Final System Evaluation and Capacity Assurance Plan (SECAP) was submitted to the City on November 15, 2019.
    - b. City planning to have City Council adopt report once Baykeeper comments have been submitted (likely May 2020).
- c. Collections Systems and Wastewater Treatment Plant Operations and Maintenance
- i. Collection Systems Operations and Maintenance
    1. Baykeeper Settlement Agreement Projects
      - a. The 2020 RAA was submitted to Baykeeper on 1/15/2020
      - b. Veolia's 2020 February submittal of the Hotspot Cleaning List which doubles as the 2020 Annual Hotspot Cleaning List was submitted to the City on March 25<sup>th</sup>.
      - c. The project delivery method discussion for prioritization and delivery of (245) of the (266) pipe segments identified in the 2020 RAA as inaccessible for CCTV condition assessment due to structural defect has been resolved and are now being prioritized for repair by the CPM group (21 of the 266 have already been repaired) in concert with (3) principal priorities established by the City (i.e. Inaccessible pipe segment that is also listed as 2-mile pipe, Inaccessible pipe segment listed as a Capacity Project pipe or within the Boundary of a Capacity Project pipe, Inaccessible with MWLS condition) and whose priority may subsequently be reorganized as an outcome to the City's response to Baykeeper comment's on the 2020 RAA
    2. 4-year out wastewater system cleaning progress
      - a. Actual miles of system cleaned in 2020 = 46.24
        - i. 2020 miles planned for cleaning = 50.8
        - ii. 2004 Service Agreement annual cleaning miles objective = 49.8

# Monthly Operations Report: April-2020

---

3. 10-year Out wastewater system CCTV condition assessment progress
  - a. Actual miles of system CCTV'd in 2020 = 15.09
    - i. 2020 miles planned for cleaning = 19.7
    - ii. 2004 Service Agreement annual CCTV miles objective = 19.7
  - b. Total gravity pipe segments in system reporting in InfoNet = 3638
    - i. Pipe segments with CCTV < 10-years = 3508
    - ii. Pipe segments with CCTV > 10-years = 130
      1. (98) pipe segments CCTV pending
      2. (0) pipe segments needing point repairs before CCTV can be completed
        - a. To be determined, pending final determination of 2020 RAA inaccessible list
      3. (22) are Baykeeper exempt from CCTV-Keller Beach
4. Sanitary Sewer Overflows
  - a. Actual SSO's in 2020 = 3
    - i. Permissible by Baykeeper Settlement Agreement = 24 (for 2020)
5. Customer Service Calls = 16
6. Emergency & Miscellaneous Repairs
  - a. (6) wastewater point repairs
  - b. (0) manhole cover repair
  - c. (1) storm water point repairs
7. Storm water collection system progress
  - a. Customer service calls = 4
  - b. City service calls = 0
  - c. Catch basins cleaned = 3
  - d. Trash capture devices cleaned = 0
  - e. Pipe segment cleaned = 36-Ft
  - f. V-ditched cleaned = 0-Ft
- ii. Wastewater Treatment Plant Operations
  1. Permit Violations – None
    - a. Average daily flow = 5.43 MGD
    - b. Peak daily flow = 21.64 MGD
    - c. Effluent BOD/TSS mg/L = 16.14/11.25
      - i. Permit Limits for Effluent BOD/TSS mg/L = 30/30
    - d. Plant Odor complaints = (0)
  2. Non-standard operating conditions
    - a. Heavy Grease observed in Primaries – Contacted Joanne to increase public awareness.
    - b. PG&E utility power outage's

# Monthly Operations Report: April-2020

---

3. Regulatory agency reporting – All standard monthly reports submitted in a timely manner with no exceptions reported back from the regulator
- iii. Collection System Pump Station and Wastewater Treatment Plant Equipment/Facility Maintenance
  1. Total preventive maintenance work orders completed = 289
  2. Total corrective maintenance work orders completed = 20
  3. All wastewater treatment plant mission-critical and redundant systems and equipment were observed and/or maintained and/or repaired as scheduled and/or required
  4. All Storm and wastewater collection system pump stations were routinely checked and maintained as scheduled
    - a. Storm water pumps stations monitored = 8
    - b. Wastewater pump stations monitored = 15
  5. Special projects
    - a. Took Ferric tank out of service for cleaning and inspection. Pumping out of chemical totes during this time.
- II. List of upcoming activities
  - a. Continue discussions with City staff regarding prioritization and procurement delivery method for various maintenance and construction projects noted previously
  - b. Continue planned CPM and O&M activities previously described in section I.b and I.c, respectively, above
- III. List of submittals delivered during the month
  - a. CPM
    - i. Revised FY19/20 Manhole Rehabilitation REV 1 TA – sent 3/23/20; going to Council 5/19/20
    - ii. Richmond WWTP High Priority Design No Cost CHANGE ORDER 4 TA – sent 3/23/20
    - iii. Macdonald & Virginia CHANGE ORDER 1 TA – sent 3/23/20
    - iv. On-Call Engineering Services on City Development Projects – sent 3/27/20 (in legal review)
    - v. Seismic Analysis Study TA – submitted 3/30/20
    - vi. Revised Scope Cogen TA – another subsequently revised TA was sent 4/29/20
  - b. O&M
    - i. Task Authorizations awaiting approval: 1 – (3 Tasks identified) RAA/SECAP/Master Plan – Submitted March 27<sup>th</sup>
- IV. List of submittal scheduled for the following month
  - a. To be determined
- V. Listing of permit violations
  - a. None for April
- VI. Updated critical path schedule
  - a. There are no current projects operating under a critical path method of delivery
- VII. Other Project Discussion

## Monthly Operations Report: April-2020

---

- a. CPM
  - i. None
- b. O&M
  - i. **Certificate of Excellence** – Our Lab was issued this certificate of achievement in proficiency testing by ERA for achieving 100% acceptable data in this study which included 954 participating laboratories. This achievement is a demonstration of the superior quality of the laboratory in evaluation of the following standards: Demand, Low-Level Total Residual, Chlorine, ph, Solids Concentrate, WastewatR™ Coliform and MicrobE™ – SM 9221.