



February 28, 2019

(Via electronic mail)

To:  
City of Richmond  
Yader A. Bermudez  
City Engineering and CIP Director  
450 Civic Center Plaza  
City of Richmond, CA 94804

Subject: December-2019 Monthly Operations Report

From:  
Manuel Molina  
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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: December-2019

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- I. Summary of work activities during the reporting month November-2019
  - 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 projects
        - a. Continuing to coordinate year-2 pipe project with City paving projects
          - i. Year 2 – Repairs to be based on 2019 RAA. First Rehabilitation and Replacement (R&R) RFP package for City Paving Conflicts will be prioritized to go out first.
          - ii. Meeting held on November 5, 2019, to review Phase 1 and 2 conflicts, including potential easement issues; all have been identified.
        - b. Discussions on-going with City staff regarding prioritization and procurement delivery method.
      2. Capacity-related sewer projects
        - a. Cutting/Carlson & Hoffman
          - i. The Contractor worked on the easement portion of the project as the City obtains access to each easement.
          - ii. Approximately 1,287 linear feet of remains due to easement access issues; unfolding as the City resolves easement issues. Pending resolution with the City's legal department.
        - b. Macdonald & Virginia
          - i. Construction began in October; Forde continued work on initial submittals.
          - ii. In November, trenches were delineated and sawcutting began on 30<sup>th</sup> Street between Macdonald Avenue and Roosevelt Avenue.
          - iii. The Project is anticipated to be complete by January or February 2021.
      - c. First Street Design
        - i. This design can now proceed, since Baykeeper submitted comments which did not challenge the use of the new design storm.
        - ii. Vivian W. Housen & Associates is under contract for this design work.
        - iii. Design work is proceeding; anticipated 60% design by May 2020.
    - ii. Manhole Rehabilitation Program
      1. The FY18/19 program is complete
        - a. Thirty-four manholes were rehabbed under the FY18/19 program in total.
      2. The 2019 Manhole Rehabilitation Project is out to bid with a submittal date of 1/9/20; prebid meeting is scheduled for 12/13/19.
    - iii. Wastewater Treatment Plant High-priority Projects
      1. Continued providing assistance to City staff as-needed for the SRF Application.

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2. Continued preparation of bid documents for the Grit/Screening and Aeration Upgrade Projects.
  3. Continued preparation of and submitted project memorandum summarizing the results of the raw sewage pipe condition assessment.
  4. The Cogen Project Phase I was kicked off in October; regular biweekly meetings are currently in progress.
- iv. Storm Water Projects
1. Trash Capture Device
    - a. Work at Meeker Ditch Installation is substantially complete.
    - b. W. R. Forde is waiting on second half of the isolation gates that are on order to finalize the project.
    - c. Change order 1 Task Authorization was approved by the City.
    - d. Final invoicing to begin shortly.
- v. Other Projects
1. Sewer Master Plan Update
    - a. The Final System Evaluation and Capacity Assurance Plan (SECAP) was submitted to the City on 11/15/19.
    - b. The Final Master Plan to include the I&I reduction evaluation and any resulting updates to capacity improvement project needs was submitted to the City on 10/17/19 (due date to Baykeeper is 12/31/19).
    - c. City planning to have City Council adopt report on Jan 14, 2020.
  2. Valley View Road Emergency Repairs
    - a. All project work is complete.
    - b. Change order 1 (Traffic control increased cost) is going to Council in December.
    - c. Final invoicing remains.
- c. Collections Systems and Wastewater Treatment Plant Operations and Maintenance
- i. Collection Systems Operations and Maintenance
    1. Baykeeper Settlement Agreement Projects
      - a. Work completed to prepare CCTV records for the submittal of the 2020 RAA update due by 1/15/2020; Veolia and Vivian W. Housen & Associates in discussions finalizing internal RFI's on data submitted and needed to complete DRAFT of 2020 RAA for City/Veolia/VWH&A 1/2/2020 discussions
      - b. Discussions with the City on procurement delivery method to repair the more than (100) pipe segments identified as inaccessible for CCTV condition assessment are completed as follows:
        - i. The Veolia-O&M group will assign individual Point Repairs to Bay Hawk Construction at a rate of approximately (4)/week until such time Veolia-CPM creates a "bundled" package of Point Repairs
        - ii. The Veolia-CPM group will begin "bundling" Point Repairs, prioritizing repairs via prioritization guidance provided by both the 2019 RAA and secondary guidance provided by Vivian W. Housen and Associates. The

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- (5) pre-qualified bidders approved by City Council will receive “bundled” Point Repairs package from which to submit their bids
- 2. 4-year out wastewater system cleaning progress
  - a. Actual miles of system cleaned in 2019 = 111.5
    - i. 2019 miles planned for cleaning = 50.8
    - ii. 2004 Service Agreement annual cleaning miles objective = 49.8
- 3. 10-year Out wastewater system CCTV condition assessment progress
  - a. Actual miles of system CCTV'd in 2019 = 44.6
    - i. 2019 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 = 3597 (Note: down from 3606 reported the previous month as 9 lines reporting as “Abandoned” in InfoNet database have been removed from list of pipe segments requiring CCTV condition assessment on 10-year cycle)
    - i. Pipe segments with CCTV < 10-years = 3544
    - ii. Pipe segments with CCTV > 10-years = 53
      - 1. (12) pipe segments completed but not updated to InfoNet database as CCTV pending QA/QC review
      - 2. (19) pipe segments needing point repairs before CCTV can be completed
      - 3. (22) are Baykeeper-exempt from CCTV
    - iii. Total Pipe Segments requiring Point Repair prior to completing CCTV condition assessment = 254
- 4. Sanitary Sewer Overflows
  - a. Actual SSO's in 2019 = 27
    - i. Permissible by Baykeeper Settlement Agreement = 27 (for 2019)
- 5. Customer Service Calls = 22
- 6. Emergency & Miscellaneous Repairs
  - a. (3) wastewater point repairs
  - b. (0) manhole cover repair
  - c. (0) storm water point repairs
- 7. Storm water collection system progress
  - a. Customer service calls = 9
  - b. City service calls = 10
  - c. Catch basins cleaned = 18
  - d. Trash capture devices cleaned = 0
  - e. Pipe segment cleaned = 979-Ft
- ii. Wastewater Treatment Plant Operations
  - 1. Permit Violations – None
  - 2. Permit Notice of Violations - None
  - 3. Plant Operating Conditions

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- a. Average daily flow = 7.2-MGD
      - b. Peak daily flow = 21.6-MGD
      - c. Effluent BOD/TSS mg/L = 8.8/8.3
        - i. Permit Limits for Effluent BOD/TSS mg/L = 30/30
      - d. Plant Odor complaints = (0)
    4. Non-standard operating conditions - None
    5. 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 = 233
    2. Total corrective maintenance work orders completed = 33
    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. None
- 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. Task Authorization (TA) for Valley View Traffic Control submitted (will go to Council)
    - ii. TA for the RAA Invert Verification – Sewer Segment Rehab Project (pending approval)
  - b. O&M
    - i. None
- IV. List of submittal scheduled for the following month
  - a. To be determined
- V. Listing of permit violations
  - a. None (as noted in report item # I.c.ii.1 above)
- VI. Updated critical path schedule
  - a. There are no current projects operating under a critical path method of delivery
- VII. Other Project Discussion
  - a. CPM
    - i. None
  - b. O&M
    - i. None