



April 2, 2020

(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: February-2020 Monthly Operations Report

From:
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VEOLIA NORTH AMERICA
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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: February-2020

- I. Summary of work activities during the reporting month February-2020
 - a. Capital Projects Management
 - i. Baykeeper Settlement Agreement Projects
 1. Year-2 sewer pipe rehabilitation projects
 - a. Bid opening was January 27, 2020. Two bids were received (Ranger Pipeline and W.R. Forde); Forde's was the lowest at \$2,581,140.
 - b. Staff continued working with Legal on subcontracting.
 2. Capacity-related sewer projects
 - a. Cutting/Carlson & Hoffman
 - i. The Contractor continued to work on the easement portion of the project as the City obtained access to each easement. The City received approval in February on the last block of the east side of 37th Street, and the Contractor performed CCTV of the easement work prior to acceptance.
 - ii. The project is forecast to be completed earlier than the revised completion date of March 15, 2020 provided to Baykeeper.
 - b. Macdonald & Virginia
 - i. By February 2020, the Contractor had installed approximately 7,871 (56% of the estimated total) of linear feet of main pipe and laterals along 30th and 31st Streets between Macdonald Avenue and Roosevelt Avenue.
 - ii. The Project is on schedule and is anticipated to be complete by January or February 2021, well before the June 30, 2021 Baykeeper deadline.
 - c. First Street Design
 - i. Vivian W. Housen & Associates continued its design of the First Street sewer relief in January.
 - ii. Design work is proceeding; anticipated 60% design is by 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. City had reported issues with the list of manholes; the lawyers are exchanging letters about the situation. A list of additional manholes was provided to the City on 2/3/20.
 3. Veolia provided 29 manholes to W.R. Forde, the lowest responsive bidder; Forde submitted an updated cost based on those replacement manholes; City chose to remove one manhole due to budget concerns.
 4. Task Authorization was prepared and submitted to the City in advance of City Council's approval.
 5. City is contesting procurement delivery method/cost for the project

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- iii. Wastewater Treatment Plant Projects
 - 1. The bid documents for the Grit/Screening and Aeration Upgrade Projects (as part of the High Priority Project) were received in December and have continued to be reviewed.
 - 2. Continued preparation of and submitted project memorandum summarizing the results of the raw sewage pipe condition assessment.
 - 3. The Cogen Project Phase I was ongoing in February, with regular biweekly meetings.
 - 4. The SCADA (Supervisory Control and Data Acquisition) Phase I Project, which replaces the existing SCADA system and maintains the upgrade, was ongoing in February. The Phase I portion is expected to be complete by December 2021.
 - 5. Seismic Evaluation – The City selected ZFA Structural Engineers. The project is scheduled for Council review on March 3, 2020.
 - 6. Sludge Thickener Project (Design/Build) – RFQs were received on January 10, 2020, and evaluated on January 21, 2020. Veolia staff is continuing to work on an RFP.

- iv. Storm Water Projects
 - 1. Trash Capture Device – Meeker Ditch Installation
 - a. The isolation gates (for cleaning purposes) have been installed; this project is complete.
 - b. Final record drawings were delivered by the designer, Harris & Associates, and submitted to the City on January 10, 2020.
 - c. Final invoicing was submitted to the City on January 14, 2020.

- v. Other Projects
 - 1. Sewer Master Plan Update
 - a. 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 October 17, 2019.
 - b. The Final System Evaluation and Capacity Assurance Plan (SECAP) was submitted to the City on November 15, 2019.
 - c. City planning to have City Council adopt report once Baykeeper comments have been submitted (likely March 2020).
 - 2. Valley View Road Emergency Repairs
 - a. All project work is complete.
 - b. Final invoicing was submitted to the City on January 14, 2020.

- b. 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. 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

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condition assessment due to structural defect has been resolved and are now being prioritized for repair by the CPM group

2. 4-year out wastewater system cleaning progress
 - a. Actual miles of system cleaned in 2020 = 26.9
 - i. 2020 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 2020 = 1.7
 - 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 = 3595
 - i. Pipe segments with CCTV < 10-years = 3263
 - ii. Pipe segments with CCTV > 10-years = 302
 1. (65) pipe segments CCTV pending
 2. (245) pipe segments needing point repairs before CCTV can be completed
 3. (22) pipe segments are Baykeeper-exempt from CCTV
 4. Sanitary Sewer Overflows
 - a. Actual SSO's in 2020 = 3
 - i. Permissible by Baykeeper Settlement Agreement = 24 (for 2020)
 5. Customer Service Calls = 18
 6. Emergency & Miscellaneous Repairs
 - a. (7) wastewater point repairs
 - b. (4) manhole cover repair
 - c. (0) storm water point repairs
 7. Storm water collection system progress
 - a. Customer service calls = 0
 - b. City service calls = 2
 - c. Catch basins cleaned = 3
 - d. Trash capture devices cleaned = 0
 - e. Pipe segment cleaned = 0-Ft
 - f. V-ditched cleaned = 0-Ft
- ii. Wastewater Treatment Plant Operations
 1. Permit Violations – None
 - a. Average daily flow = 5.4-MGD
 - b. Peak daily flow = 8.99-MGD
 - c. Effluent BOD/TSS mg/L = 12.2/10.6
 - i. Permit Limits for Effluent BOD/TSS mg/L = 30/30
 - d. Plant Odor complaints = (1)

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- i. The 2/10/2020 date of the single odor complaint is coincident to the date we received notification from the City of Richmond that Chevron was “flaring”; North/South fence line H2S monitoring stations did not report exceedance of 60-ppb
 2. Non-standard operating conditions
 - a. None
 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 = 248
 2. Total corrective maintenance work orders completed = 23
 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
 - a. Boiler Burner replacement to be completed upon method of funding the replacement agreement/understanding between the City and Veolia
 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. Completed the rebuild/overhaul of the Moody Underpass Storm Water Station Flygt submersible pump and returned to service.
 - b. Completed the rebuild/overhaul of the RAS #1 Flygt submersible pump and returned to service.
 - c. Completed the rebuild/overhaul of the I.C.I. Sewer Sanitary Lift Station Flygt submersible pump and returned to service.
 - d. Interviewed and hired a new employee to fill the Inventory/Maintenance Specialist position, expected start date is 3-9-2020.
 - e. Completed the 120V GFCI outlet upgrade at the Chemical pump room, Primary Clarifier & Secondary Aeration Basin.
- II. List of upcoming activities
 - a. Continue discussions with City staff regarding prioritization and procurement delivery method for boiler burner project 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 Authorizations awaiting approval: None
 - b. TA for O&M
 - i. None

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- 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