



February 28, 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: January-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: January-2020

- I. Summary of work activities during the reporting month October-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 (Risk Assessment Analysis). First Rehabilitation and Replacement (R&R) RFP package for City Paving Conflicts will be prioritized to go out first.
 - b. RAA procurement was issued December 16, 2019.
 - c. 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.
 - d. Staff is 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. Approximately 734 linear feet of pipe remains due to easement access issues, pending resolution with the City's legal department. As of January 31, 2020, the City is waiting for approval on only one more block of the east side of 37th Street.
 - ii. The project is forecast to be complete March 15, 2020.
 - b. Macdonald & Virginia
 - i. By January 2020, the Contractor had installed approximately 5,764 (33% of the 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 FY18/19 program is complete
 - a. Final invoicing was submitted to the City in December 2019.

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2. The 2019 Manhole Rehabilitation Project opened bids on January 30, 2020; the apparent low bidder is W.R. Forde. A second bid was received at the City via FedEx; the City's legal department is evaluating that bid.

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 in January.
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 January, with regular biweekly meetings currently in progress.
4. The SCADA (Supervisory Control and Data Acquisition) Phase I Project, which replaces the existing SCADA system and maintains the upgrade, was ongoing in January. The Phase I portion is expected to be complete by December 2021.
5. Seismic Evaluation – Five proposals were received and interviews were held in December. Veolia and the City met to review the proposals, and 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 working on an RFP.

iv. Storm Water Projects

1. Trash Capture Device

- a. Project work at Meeker Ditch Installation is substantially complete; the device is fully functional.
- b. W. R. Forde is waiting on second half of the isolation gates that are on order to finalize the project (for cleaning purposes).
- c. Final record drawings were delivered by the designer, Harris & Associates, and submitted to the City on January 10, 2020.
- d. 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.

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- b. Final invoicing was submitted to the City on January 14, 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. 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)
 - 2. 4-year out wastewater system cleaning progress
 - a. Actual miles of system cleaned in 2020 = 17.8
 - 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 2020 = 0.5
 - 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 = 3595
 - i. Pipe segments with CCTV < 10-years = 3293
 - ii. Pipe segments with CCTV > 10-years = 302
 - 1. (35) pipe segments CCTV pending
 - 2. (245) pipe segments needing point repairs before CCTV can be completed
 - 3. (22) of the (100) are Baykeeper-exempt from CCTV
 - 4. Sanitary Sewer Overflows
 - a. Actual SSO's in 2020 = 2
 - i. Permissible by Baykeeper Settlement Agreement = 24 (for 2020)
 - 5. Customer Service Calls = 20
 - 6. Emergency & Miscellaneous Repairs
 - a. (18) wastewater point repairs
 - b. (0) manhole cover repair
 - c. (0) storm water point repairs
 - 7. Storm water collection system progress
 - a. Customer service calls = 14
 - b. City service calls = 2
 - c. Catch basins cleaned = 9
 - d. Trash capture devices cleaned = 0
 - e. Pipe segment cleaned = 51-Ft
 - f. V-ditched cleaned = 27-Ft

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- ii. Wastewater Treatment Plant Operations
 - 1. Permit Violations – None
 - a. Average daily flow = 6.4-MGD
 - b. Peak daily flow = 25.1-MGD
 - c. Effluent BOD/TSS mg/L = 13.5/10.2
 - i. Permit Limits for Effluent BOD/TSS mg/L = 30/30
 - d. Plant Odor complaints = (2)
 - 2. Non-standard operating conditions
 - a. Multiple Return Activated Sludge control failures due to failing SCADA communications
 - b. PG&E utility brown out
 - 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 = 195
 - 2. Total corrective maintenance work orders completed = 34
 - 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. Relocated the wastewater treatment plant's air compressors in advance of forthcoming critical plant upgrades construction activity
 - b. Repaired failed influent bar screen, no redundant system exist while repairs were be affected so downstream operational changes and negative impact to water treatment process were observed but managed

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 Authorizations awaiting approval: None
- b. TA for O&M
 - i. None

IV. List of submittal scheduled for the following month

- a. To be determined

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- 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