



April 23, 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: March-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: March-2020

- I. Summary of work activities during the reporting month March-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 City questioned several aspects of the project compared to a previous RAA project, which were partially resolved by the end of the month; the Contractor was able to proceed with the project scope of work with the exception of five (5) pipe segments still under review.
 - c. The project must be completed by June 30, 2020, in order to comply with a Baykeeper deadline.
 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.
 - ii. Punch-list work continued through March (i.e., re-striping damaged street markings, final elements of CCTV work, etc.)
 - b. Macdonald & Virginia
 - i. By the end of March 2020, the Contractor had installed approximately 11,865 (10,500 If Macdonald; 1,365 If 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.
 - 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. A list of additional manholes was provided to the City on 2/3/20 which was accepted.

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3. Veolia provided the new 29 manholes to W.R. Forde, the lowest responsive bidder; Forde submitted an updated cost based on those replacement manholes; the City chose to remove one manhole due to budget concerns.
4. 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%.

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 March, with remote meetings due the COVID-19 constraints. The issue of whether a heat capture system is necessary is being analyzed.
3. The SCADA (Supervisory Control and Data Acquisition) Phase I Project, which replaces the existing SCADA system and maintains the upgrade, was ongoing in March. 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 – Meeker Ditch Installation
 - a. This project is complete. Final invoicing was submitted to the City on January 14, 2020. This is the final MOR report for this project.
 - b. A new Trash Capture Device project is being planned for a Bayview location.

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. An extension of 30 days for the City to respond to comments has been provided by Baykeeper. Meetings are being held to develop a response to Baykeeper's questions and comments.
 - c. 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

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- 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 25th.
 - 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 = 34.52
 - 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 = 7.59
 - 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 = 3473
 - ii. Pipe segments with CCTV > 10-years = 122
 1. (87) 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 = 25
 6. Emergency & Miscellaneous Repairs
 - a. (18) wastewater point repairs
 - b. (0) manhole cover repair
 - c. (0) storm water point repairs

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7. Storm water collection system progress

- a. Customer service calls = 2
- b. City service calls = 0
- c. Catch basins cleaned = 1
- d. Trash capture devices cleaned = 0
- e. Pipe segment cleaned = 20-Ft
- f. V-ditched cleaned = 0-Ft

ii. Wastewater Treatment Plant Operations

1. Permit Violations – Mar 4th, Received updated NOV No. A 58709 – Failed PC# 19952 Part 16 for occurrence date of 10/1/19 – 11/17/19
 - a. Average daily flow = 5.49 MGD
 - b. Peak daily flow = 15.89 MGD
 - c. Effluent BOD/TSS mg/L = 14.09/13.17
 - i. Permit Limits for Effluent BOD/TSS mg/L = 30/30
 - d. Plant Odor complaints = (0)
2. Non-standard operating conditions
 - a. Multiple Return Activated Sludge control failures due to failing SCADA communications
 - b. PG&E utility power outage
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 = 269
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. Overhauled Aerator Mixer 2A and returned to service

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

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- i. Task Authorizations awaiting approval: 1 – Seismic Evaluation – Submitted March 30th
 - b. O&M
 - i. Task Authorizations awaiting approval: 1 – (3 Tasks identified) RAA/SECAP/Master Plan – Submitted March 27th
- IV. List of submittal scheduled for the following month
 - a. To be determined
- V. Listing of permit violations
 - a. Mar 4th, Received updated NOV No. A58709 – Failed PC# 19952 Part 16, occurrence date of 10/1/19 – 11/17/19.
- 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