



July 15, 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: June-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: June-2020

- I. Summary of work activities during the reporting month June-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 continued work on replacement segments.
 - b. The City decided to stop construction work on this project and utilize O&M emergency pipe segment repairs to fulfill the remaining mileage required under the Baykeeper Order. All work authorized by the City under the 2019 RAA project was completed by June 30, 2020.
 - c. Status of complete as of 6/30/2020
 - i. Miles completed under the 2019 RAA project: 1.08 miles
 - ii. Miles pending approval of bid item Substitutes and/or Proposed Change Order to bid items: 0.71 miles
 - iii. Miles removed from project: 0.23 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.
 - ii. Updated CCTV indicated Plan Line Q required complete replacement and additional work on Plan Lines R&T; Line Q work was completed and work is commencing on Plan Lines R&T; Staff is awaiting completion and acceptance of final post-construction CCTV.
 - iii. A TA Change Order will follow.
 - b. Macdonald & Virginia
 - i. By the end of June 2020, the Contractor had installed approximately 14,405 (13,100 If Macdonald; 1,305 If Virginia) of linear feet of main pipe and laterals.
 - ii. Change Order No. 1 TA for a replacement manhole was approved by the City on May 7, 2020.
 - 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 June.

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- ii. Design work is proceeding; 60% design drawings were received the week of May 4, 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.
 - 2. Bid documents for this project are anticipated in August.

- 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 23rd 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 completed its work of moving the duct bank.
- iv. The City directed Veolia to solicit competitive bids for the 40-ft long sewer line realignment
- v. The City authorized W.R. Forde to complete the work; Forde applied for an encroachment permit in June and is awaiting the permit.
- vi. Full repair is anticipated in July 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 project was approved at the May 19, 2020 Council Meeting.
- 3. Veolia received the executed TA from the City on June 22, 2020; subcontracting is in progress.

- 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. Three rounds of comments were submitted to Carollo (designer) by Veolia re project document preparation; they are under review by Carollo.

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2. The Cogen Project Phase I was ongoing in June, with remote meetings continuing due to the COVID-19 constraints. The issue of whether a heat capture system is necessary is being analyzed.
 - a. The DBE is reviewing the subcontract
 - b. A draft BODR was submitted to the City in early June; the City provided initial comments, and Veolia continued its technical review in June.
 3. The SCADA (Supervisory Control and Data Acquisition) Phase I Project, which replaces the existing SCADA system and maintains the upgrade, was ongoing in June. 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; the TA was approved on May 7, 2020, and contracting documents were completed in June. A kick off meeting was held on June 30, 2020.
 5. Sludge Thickener Project (Design/Build) – RFQs were received on January 10, 2020, and evaluated on January 21, 2020.
 - a. A final RFP was submitted to the City in June with the updated sample design-build contract.
 - b. The City provided comments on June 24, 2020; Veolia is in the process of responding.
- iv. Storm Water Projects
1. Trash Capture Device –
 - a. A new Trash Capture Device project is being planned for a Bayview location. This item was presented to the City Council for review and approved in May. City and Veolia Staff are working together for a new project to develop.
 - b. Regular meetings with the City and Veolia continued through June; utility information gathering is underway.
- 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.
- 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 re-submitted to Baykeeper on 5/28/2020
 - i. Inclusive to Veolia's submission of the 2020 RAA to the City of Richmond, the City of Richmond, in their submission of the 2020 RAA to

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Baykeeper, requested relief for one year in the requirement to repair an average of 2-miles/year of pipe segments having PACP Grade-5/4 defects such that the funds required for this work could be used instead to address the remaining inaccessible pipe segments reporting in the 2020 RAA as requiring repairs so that the CCTV condition assessment of the entire wastewater collection system can be completed. At present, Veolia-CPM is completing the preparations for a project to address the reported 2020 RAA inaccessible pipe segments; though it has not been determined at this time if whether or not the entire list of pipe inaccessible pipe segments are to be repaired under a single project

- 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.
2. 4-year out wastewater system cleaning progress
 - a. Actual miles of system cleaned in 2020 = 94.01
 - 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 CCTVd in 2020 = 27.51
 - 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 = 3654
 - i. Pipe segments with CCTV < 10-years = 3594
 - ii. Pipe segments with CCTV > 10-years = 60
 1. (40) pipe segments CCTV pending
 - a. (17) Pipe segments have been attempted but are currently inaccessible due to various reasons. (Cars parked on manholes, weather conditions, private property, etc.)
 2. (0) pipe segments needing point repairs before CCTV can be completed
 - a. To be determined, pending final determination from CPM and approval from the City
 3. (20) are Baykeeper exempt from CCTV-Keller Beach
 4. Total numbers varies in this category from last month due to changed status from active to abandoned
4. Sanitary Sewer Overflows
 - a. Actual SSO's in 2020 = 5
 - i. Permissible by Baykeeper Settlement Agreement = 24 (for 2020)
5. Customer Service Calls = 9
6. Emergency & Miscellaneous Repairs
 - a. (3) wastewater point repairs

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- b. (0) manhole cover repair
 - c. (0) storm water point repairs
 - 7. Storm water collection system progress
 - a. Customer service calls = 0
 - b. City service calls = 0
 - c. Catch basins cleaned = 0
 - d. Trash capture devices cleaned = 0
 - e. Pipe segment cleaned = 0
 - f. V-ditched cleaned = 0-Ft
 - ii. Wastewater Treatment Plant Operations
 - 1. Permit Violations – None
 - a. Average daily flow = 4.75 MGD
 - b. Peak daily flow = 9.77 MGD
 - c. Effluent BOD/TSS mg/L = 15.53/18.90
 - i. Permit Limits for Effluent BOD/TSS mg/L = 30/30
 - d. Plant Odor complaints = (4)
 - These were reported from BAAQMD. All anonymous and by email to them.
 - 2. Non-standard operating conditions
 - a. Heavier Grease in Primaries dissipated
 - b. High Scum Levels in Secondary Clarifiers
 - 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 = 313
 - 2. Total corrective maintenance work orders completed = 32
 - 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. Drained and Cleaned Contact Basins
 - b. Installed New Scum Blade on Upper Arm in Secondary Clarifier 1 and 2. Went with a more rigid blade on Clarifier 1.

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

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- 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; was approved by Council 5/19/20; the executed TA was approved and delivered in June.
 - ii. On-Call Engineering Services on City Development Projects – sent 3/27/20 (in legal review)
 - iii. SCADA Project No Cost Change Order TA – submitted to the City on June 22, 2020
 - iv. 2019-20 Sewer Segment Rehab Project, RAA Year Two Change Order 1 – submitted June 24, 2020.
 - b. O&M
 - i. RAA/SECAP/Master Plan TA – Submitted March 27th, COR responded It is with the Attorney's
 - ii. Boiler Burner #2 TA – Submitted May 20th, COR responded June 3rd, It is with the Attorney's
 - iii. NASSCO upgrade from 6.0 to 7 TA – Submitted May 19th
 - iv. Collection Camera Cable Replacement TA – Submitted May 22nd
 - v. Collection Gas Detectors TA – Submitted 6/23/2020, COR asked further detail on 6/24, we provided requested detail on 6/26.
- IV. List of submittal scheduled for the following month
 - a. To be determined
- V. Listing of permit violations
 - a. None for June
- 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