



DEPARTMENT OF PUBLIC WORKS  
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October 6th, 2017

Mr. Bruce H. Wolfe  
Executive Officer  
San Francisco Bay Regional Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Subject: City of San Mateo FY 2016/17 Annual Report - Amended

Dear Mr. Wolfe:

This letter and Annual Report Amendment for Section C.10.b.i. ► Trash Reduction - Full Capture Systems is submitted by the City of San Mateo pursuant to Permit Provision C.17.a of the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2015-0049, NPDES Permit No CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board. Due to a problem with MS Word, which has been subsequently corrected/patched by the City's IT Department, the text was missing from the word version of the table prior to finalizing the PDF. We apologize for the oversight.

Please contact Sarah Scheidt at 650-522-7385 regarding any questions or concerns.

Very truly yours,

Brad B. Underwood, P.E., L.S.  
Public Works Director, City of San Mateo

**CITY OF SAN MATEO  
FY 2016/17 ANNUAL REPORT**

**Certification Statement**

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

**Signature of Duly Authorized Representative:**

  
\_\_\_\_\_  
Brad B. Underwood, PE, LS  
Public Works Director

9/15/17  
Date

**C.10.b.i. ► Trash Reduction - Full Capture Systems**

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 16-17 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) The percentage of systems in FY 16-17 that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

| TMA          | Jurisdiction-wide Reduction (%) | Total # of Full Capture Systems | % of Systems Exhibiting Plugged/Blinded Screens or >50% full in FY 16-17 | Summary of Maintenance Issues and Corrective Actions   |
|--------------|---------------------------------|---------------------------------|--|--|
| 1            | 8.4%                            | 144 (not including booms)       | 5.8%   | <p>Connector Pipe Screens:<br/>                     During FY 16-17 inspection and/or maintenance was performed between September and December. City staff perform maintenance including inspections and trash/debris removal. The City utilizes the “City of San Mateo Trash Capture Device Maintenance Report” to record inspection and maintenance activities for each device to track issues, maintenance needs and perceived performance of the device. This form records the crew, date, notes, reason for maintenance, device function status, device condition, estimated percentage of catch basin that is full, equipment used, maintenance time, and notes whether any photos were taken. Notes are made in the logs regarding whether the location of the device was incorrect or if there were any issues associated with the devices, such as device failure or vandalism. When issues are reported, City staff performs maintenance as needed. The CPS devices found over 50% full were cleaned out, and will be inspected twice per year to ensure adequate performance.</p> <p>Wet Detention Pond:<br/>                     The City developed an Operations and Maintenance Manual for the Bay Meadows Park Pond, which includes pond landscaping inspection and maintenance at monthly, semiannual, annual, two-to-five year, and as needed frequencies for items such as algae and trash removal, erosion, vegetation cover, sediment accumulation, etc. Inspection and maintenance for the recirculation pump, aeration system, and pond inlet structure occurs at varying frequencies ranging from monthly, per rain event, semiannually, annually, and as</p> |
| 2            | 2.1%                            |                                 |  |  |
| 3            | 1.7%                            |                                 |  |  |
| 4A           | 0.0%                            |                                 |  |  |
| 4B           | 0.5%                            |                                 |  |  |
| 5            | 0.2%                            |                                 |  |  |
| <b>Total</b> | <b>22.8%</b>                    |                                 |  |  |

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  | <p>needed. Appendix A of the Operations and Maintenance Manual contains Operations and Maintenance Checklists, and is available upon request.</p> <p><b>Trash Booms:</b></p> <p>The City's vegetation management contractor (Aquatic Environments, Inc.), as part of their algae-removal work described in Section C.10.e, inspects the trash boom on the Lagoon downstream from Laurel Creek weekly, and maintains it on an as needed basis. The trash booms on the 19<sup>th</sup> Ave. Channel and the 16<sup>th</sup> Ave. Channel are maintained by City staff, with trash/debris removal (by vacuuming) occurring monthly, or as needed.</p> |
| <p><b>Certification Statement:</b></p> <p>The City of San Mateo certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.</p> |  |  |  |  |

\* The total jurisdiction-wide reduction reported for full capture systems includes a 9.8% reduction associated with trash booms operated on 16<sup>th</sup> Avenue Channel, 19<sup>th</sup> Avenue Channel and Laurel Creek. The three booms, installed within the past five years, retain trash, algae and other matter flowing from the three relevant creeks/channels. The accumulated debris is vacuumed out or otherwise removed, usually monthly or as needed as per the above table. Vacuuming is facilitated by the City's usage of a stringer line curvature for the booms that best traps the trash and increases ease of vacuuming.

**C.10.b.ii. ► Trash Reduction – Other Trash Management Actions (PART A)**

| Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels and areal extent of implementation, and whether actions are new, including initiation date. |   |
|--|---|
| TMA  | Summary of Trash Control Actions Other than Full Capture Systems  |
| <b>Jurisdiction Wide</b>   | <p><b>Enhanced Street Sweeping</b></p> <ul style="list-style-type: none"> <li>Created the "My Street" webpage, in October 2011. This online tool allows residents view street sweeping and leaf collection days/times: <a href="http://50.63.60.127/mystreet/index.html">http://50.63.60.127/mystreet/index.html</a>.</li> <li>Coordinated with the solid waste collection agency (Recology) in September 2011 to revise street sweeping and garbage collection schedules so that, to the extent possible, conflicts between garbage pick-up and street sweeping are reduced, thereby improving the quality of the sweep.</li> <li>Restructured current program to minimize inconvenience to residents and make it easier for them to voluntarily comply with the street sweeping schedule and move their vehicles from the curb. This includes sweeping within an established two-hour window, as well as limiting the sweeping to one side of the street on a given day, thereby allowing residents to park on the opposite side. Residents were notified by post card of their sweeping schedule and the sweeping schedule for the opposite side of the street.</li> </ul> |