
San Francisco Bay Regional Water Quality Control Board

(Sent via Email: william.toci@veolia.com)

March 11, 2015
Place ID: 210839

City of Burlingame
ATTN: William E. Toci, Plant Manager
501 Primrose Road
Burlingame, CA 94010

RE: City of Burlingame Wastewater Treatment Facility
(NPDES No. CA0037788) Compliance Evaluation Inspection Report

Dear Mr. Toci:

On March 9, 2015, I conducted a compliance evaluation inspection at your facility. A copy of my report is attached.

If you have any questions concerning this report, please contact me at (510) 622-2349 or by email at jessica.watkins@waterboards.ca.gov.

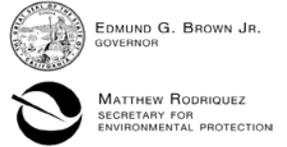
Sincerely,

Jessica Watkins
Water Resource Control Engineer

Enclosure: Compliance Evaluation Inspection Report (CIWQS Inspection No. 19703418)

Copy to (via email):

Eric Magnan, U.S. EPA, magnan.eric@epa.gov
Francisco Garza, francisco.garza@veolia.com



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

San Francisco Bay Regional Water Quality Control Board

NPDES Compliance Evaluation Inspection (CEI) Report

Facility Name and Location			Entry Date	Entry Time
City of Burlingame and North Bayside System Unit (NBSU) City of Burlingame Wastewater Treatment Facility 1103 Airport Boulevard Burlingame, CA 94010			March 9, 2015	10:00 a.m.
			Permit Effective Date	Permit Expiration Date
			July 1, 2013	June 30, 2018
Mailing Address	Same as facility location?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Notified?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
City of Burlingame Attention: William E. Toci, Plant Manager 501 Primrose Road Burlingame, CA 94010			If no, rationale:	
CIWQS Inspection ID	19703418	Receiving Water Name	Lower San Francisco Bay	
NPDES Permit Number	CA0037788	County	San Mateo	
Order Number	R2-2013-0015	Plant Classification	Major	
Type of Discharge	Secondary treated effluent	CIWQS Place ID	210839	
Names and Titles of Onsite Representatives				
Name	Title	Phone	Email	
William E. Toci	Plant Manager	(650) 342-3727	william.toci@veolia.com	
Francisco Garza	Lead Mechanical Technician III	(650) 342-3727	francisco.garza@veolia.com	
Name and Title of Responsible Official				
Name	William E. Toci			
Title	Plant Manager			
Phone	(650) 342-3727			
Email	william.toci@veolia.com			
Does responsible official match permit based contact information on file?				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Does grade level comply with plant classification?				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Inspector Information			Presented Credentials?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Organization Name	San Francisco Bay Regional Water Quality Control Board			
Title	Jessica Watkins			
Phone	(510) 622-2349			
Email	jessica.watkins@waterboards.ca.gov			

I. PRE-INSPECTION PERMIT REVIEW

		Yes	No	N/A
Is the facility as described in the permit? (See section VI notes for exception.)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the Water Board been notified of any process/production modifications?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Was a permit reissuance application submitted to the Water Board on time?		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Was the permit modified prior to any facility or discharge changes?		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Discharge Points				
002—Lower San Francisco Bay				
Facility Class	IV			
Chief Plant Operator	William E. Toci	Grade	IV	
Current ADWF	2.7 MGD (September 2014 through November 2014)			
Permitted ADWF	5.5 MGD			
Current BOD load	166 lbs/day (September 2014 through November 2014)			
Permitted BOD load	1,380 lbs/day = 5.5 x 30 mg/L x 8.345			
Current TSS load	173 lbs/day (September 2014 through November 2014)			
Permitted TSS load	1,380 lbs/day = 5.5 x 30 mg/L x 8.345			
		Yes	No	N/A
Are current loads less than 80% of design loads?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If no, does annual report describe timing of next plant expansion?		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Permitting concerns that might affect inspection process				
None.				

II. PRE-INSPECTION MONITORING REPORT REVIEW

Summary of effluent limit violations since last inspection (June 25, 2013) – None			
Constituent	No. of Violations	Corrective Action Reported	No action reported
			<input type="checkbox"/>
Summary of receiving water violations since last inspection (June 25, 2013)			
Parameter	No. of Violations	No action reported	
Dissolved oxygen	None	<input type="checkbox"/>	
Turbidity	None	<input type="checkbox"/>	
pH	None	<input type="checkbox"/>	
Temperature	None	<input type="checkbox"/>	
Aesthetic issues (e.g., excessive algae, bottom deposits, etc.)	None	<input type="checkbox"/>	
Corrective Actions Reported			
Not applicable.			
Monitoring and Reporting Program observations since last inspection			
	Yes	No	N/A
Responsible person signs and certifies the DMRs and/or SMRs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discharger monitors at frequency required by permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All data collected are summarized	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coliform concentrations are calculated as required by permit (median, mean, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detection limits are reported	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
“Less than” and estimated values are properly carried through the calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow measurement period used for load calculations brackets sampling period	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loading rates are properly calculated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data reported in time frame and frequency required by permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have any spills/bypasses been reported to the Regional Board?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dates and times of spills/bypasses			
Due to a pipe failure on July 1, 2014, less than approximately 50 gallons of gravity belt thickener effluent (partially treated wastewater) were discharged to a nearby storm drain leading to the Bay at approximately 7:15 a.m. The 5-day report was received within five business days on July 8, 2014. Appropriate corrective actions were taken.			

III. Site-Inspection Planning Checklist

Personal Safety Gear and Inspection Tools			
	Yes	No	N/A
Hard hat	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Safety vest	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Safety goggles/glasses	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steel-toed boots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hearing protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Writing Implements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Camera	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global positioning device	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spare batteries	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Concerns based on review of records, reports, and other documents, and inspection objectives			
<p>We would like to confirm that effluent flows reached 18.9 and 18.5 MGD on December 11 and 12, 2014, respectively, without blending or use of the emergency outfall. According to the Order, blending events occur when primary effluent flows exceed 13 MGD and the emergency outfall is used when effluent flows reach 16 MGD.</p>			

IV. RECORDS AND REPORTS REVIEW

	Required onsite?		Available onsite?			Not Inspected	Comments
	Yes	No	Yes	No	N/A		
Current NPDES permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R2-2013-0015
Permit modifications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Letter dated May 9, 2014
Permit amendments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Compliance orders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Monitoring and reporting program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R2-2013-0015, Attachment E
Standard provisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R2-2013-0015, Attachments D and G
Industrial pretreatment program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Maintenance records and log book	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Plant operation and maintenance manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Equipment manuals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Plant engineering drawings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Collection system drawings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Maintenance records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Spill and bypass records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Biosolids disposal plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Biosolids farm map and disposal agreements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soil nutrient analyses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Biosolids loading rate records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pollution prevention plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pathogen/vector reduction records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Spill prevention control and countermeasure (SPCC) plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operational logs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Auxiliary power check logs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes							
The operation and maintenance manual was last updated in December 2011 after the 1.6-million gallon stormwater retention basin became operational. No operational changes have since taken place that would require an update.							

V. OPERATIONS AND MAINTENANCE REVIEW

		Yes	No	N/A	Not Inspected
Were all records and reports required by permit organized and available?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was influent flow meter calibration available onsite?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date of last calibration	March 3, 2015				
Calibration performed by...	EDCCO Group				
Was effluent flow meter calibration available onsite?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date of last calibration	March 3, 2015				
Calibration performed by...	EDCCO Group				
Were flow measurement records maintained for past 3 years?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is a maintenance management program in place?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of open work orders	92				
Oldest date of open work order	January 31, 2015				
Are entries to the operational logs made in pen?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all operational log entry modifications made with suitable cause?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were reported spills and bypasses recorded in operational logs?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the facility staffing requirement described in O&M manual?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the facility staffed in accordance with O&M manual?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were there auxiliary power check logs?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air Board permit number	Not inspected.				
Notes					
<p>Influent and effluent flow meters were reportedly last calibrated on March 3, 2015; however, the documentation for this was not yet available. Water Board staff observed documentation for the previous calibration of influent and effluent flow meters performed on March 19, 2014.</p> <p>Francisco Garza gave Water Board staff an overview of the computerized maintenance management software system used to track and prioritize work orders. There are 92 open work orders, 88 of which are for preventative maintenance. There are no major issues affecting the performance of the plant.</p>					

VI. MONITORING RECORDS REVIEW

		Yes	No	N/A	Not Inspected
Are monitoring records and laboratory reports retained for 5 years?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are data reported on DMRs/SMRs consistent with analytical results?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the onsite laboratory ELAP certified?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Certification Number	1577				
Expiration Date	July 31, 2015				
Parameters measured onsite				N/A	Not Inspected
				<input type="checkbox"/>	<input type="checkbox"/>
1. Total coliform	8. Filterable residue	15. Whole effluent toxicity (Fathead Minnow)			
2. Fecal coliform	9. Non-filterable residue				
3. Turbidity	10. Chlorine				
4. Alkalinity	11. pH				
5. Hardness	12. Ammonia				
6. Conductivity	13. Dissolved oxygen				
7. Total residue	14. Biological oxygen demand				
Additional parameters used for internal monitoring and process control				<input type="checkbox"/>	<input checked="" type="checkbox"/>
Constituents analyzed with hand-held equipment				<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Most recent calibration date	Standard expiration date		
1.					
2.					
3.					
4.					
Notes					
<p>William Toci confirmed that on December 11 and 12, 2014, effluent flows did not reach 18.9 and 18.5 MGD, respectively, as reported in CIWQS, and that blending or use of the emergency outfall did not occur. The effluent pumps were set to pump at a maximum of 16 MGD, which is the engineered contractual limit for the NBSU pipeline. Mr. Toci believes the Milltronics doppler flow meter was out of range when those high readings were recorded (see Photo 8). Water Board staff viewed data in the SCADA system that confirmed a discharge did not occur from the emergency outfall on those dates.</p> <p>In addition, Mr. Toci informed Water Board staff that blending did not occur because the secondary treatment capacity of the Plant is 16 MGD, greater than 13 MGD as described in the permit. The following documents also report the secondary treatment capacity of the Plant can range up to 15.5 MGD depending on influent water quality:</p> <ul style="list-style-type: none"> (1) <i>City of Burlingame, Wastewater Treatment Facility, Wet Weather Improvement Plan</i> (Veolia Water; November 2013); (2) <i>City of Burlingame, Wastewater Treatment Facility, 2013 Annual DMR</i> (Veolia Water; January 30, 2014); and (3) <i>City of Burlingame, Wastewater Treatment Facility, 2014 Annual DMR</i> (Veolia Water; January 30, 2015). 					

VII. MONITORING REPORT REVIEW

	Yes	No	N/A	Not Inspected
Are loading calculations prepared correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are contract laboratory records and chains of custody available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do sampling and analytical records include:				
a. Dates, times, and locations of sampling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Names of individuals performing sampling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Analytical methods	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Results of analyses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Dates of analyses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Times of analyses, as necessary to verify holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Analysts names or initials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Instantaneous flow at grab sample locations, if required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MONITORING PROCEDURES				
Are adequate equipment and procedures used for onsite analyses?				
pH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dissolved oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temperature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UV transmittance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is refrigeration satisfactory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are grab samples collected during representative discharge conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do monitoring locations appear to be appropriate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do composite sampling procedures comply with the permit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are automatic samplers properly cleaned and maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are samples adequately preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are sample containers appropriate for the samples collected?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are samples collected using appropriate protocols?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are coliform samples collected directly into sterile containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does coliform sampling occur after the last introduction of wastes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the number of discharge points as described in the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the locations of the discharge outfalls as described in the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the name of the receiving water as described in the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is site free of any evidence of spills or bypasses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the sampling and monitoring appear representative of the discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are groundwater monitoring wells capped and locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Notes				

VIII. FINAL EFFLUENT AND RECEIVING WATER MONITORING

		Yes	No	Not Inspected
APPEARANCE OF FINAL EFFLUENT				
Condition during the inspection				
	Clear (not cloudy)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Colorless	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Free of sheen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Free of scum	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Free of foam	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes				
Water Board staff observed final effluent in the final effluent channel. No issues were observed.				
			Upstream condition is similar	Not Inspected
APPEARANCE OF RECEIVING WATER		Yes	No	
Condition during the inspection				
	Free of distinctly visible plume	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Free of foam and sheen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Free of snails	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Free of erosion at the discharge point	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Free of bottom deposits	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Free of filamentous algae growth	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Free of microbial layers on aquatic plants	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Other <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes				
The facility discharges from the NBSU joint forcemain 5,300 feet offshore through a submerged diffuser; therefore, the receiving water in the vicinity of the discharge point was not observed.				

IX. SITE WALK INSPECTION

Weather and site conditions present during time of inspection							
Sunny, warm, and clear.							
Treatment Process (described in permit)	Appeared Compliant	Not Present	Non- Operational	Lacking Maintenance	Not Inspected		
1. Bar screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Vortex grit removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Primary clarification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. Aeration basin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Secondary clarification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Chlorination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Final clarification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8. Dechlorination (at emergency outfall only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. Sludge thickening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. Anaerobic digestion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. Sludge dewatering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Notes							
Chlorinated final effluent is discharged to the NBSU forcemain at Discharge Point No. 001 where it is transported to the South San Francisco and San Bruno Water Quality Control Plant for dechlorination prior to discharge to Lower San Francisco Bay from Discharge Point No. 002.							
The storm drain associated with the July 1, 2014, unauthorized discharge has been plugged and equipped with a sump pump and flexible hose to reroute water to the Plant for treatment (see Photo 13). Mr. Toci informed Water Board staff that the Plant is able to handle these additional storm water flows due to recent capital improvements that have reduced inflow and infiltration (I&I) in the collection system.							
EMERGENCY OPERATION				Yes	No	N/A	Not Inspected
Is available back-up power appropriate for emergency conditions?				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are there alarms systems for power and equipment failure?				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are treatment control procedures established for emergencies?				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes							
The entire facility can be operated with back-up power.							
CHEMICALS ONSITE		MSDS Available?		Secondary Containment?		Not Inspected	
		Yes	No	Yes	No		
1. Hypochlorite		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Propane		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Polymer		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Diesel fuel		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is spill clean-up and containment equipment available?				Yes	No	N/A	Not Inspected
				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes							
Water Board staff observed good housekeeping practices. Safety Data Sheets (SDSs) were well organized.							

X. SITE WALK OPERATION AND MAINTENANCE INSPECTION

	Yes	No	N/A	Not Inspected
Maintenance program appears to be in place and being followed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lift stations appear properly maintained and have back-up power	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Odors are adequately controlled, including...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ponds	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Headworks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sludge processing facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storage appears to control leachate and runoff	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public access to storage is prevented	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No safety concerns were observed that might interfere with proper O&M or monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow devices appear to be properly installed and maintained, and operating without interference	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes				
No lift stations were visited during the inspection; however, Water Board staff was informed that the Rollins Road Lift Station can operate entirely on back-up power.				
Stormwater handling description				
Most stormwater captured within the Plant's storm drain system is directed to the headworks. The remaining storm drains are not connected to the headworks. The Discharger is covered under the State Water Resources Control Board's (State Water Board) statewide industrial stormwater NPDES permit (NPDES General Permit No. CAS000001) for stormwater runoff from the parts of the Plant that do not drain to the headworks.				

Compliance Evaluation Inspection Photographs

March 9, 2015

City of Burlingame Wastewater Treatment Facility
1103 Airport Boulevard
Burlingame, CA 94010



Photo 1: Pretreatment (bar screens and grit removal).



Photo 2: Primary clarifier.

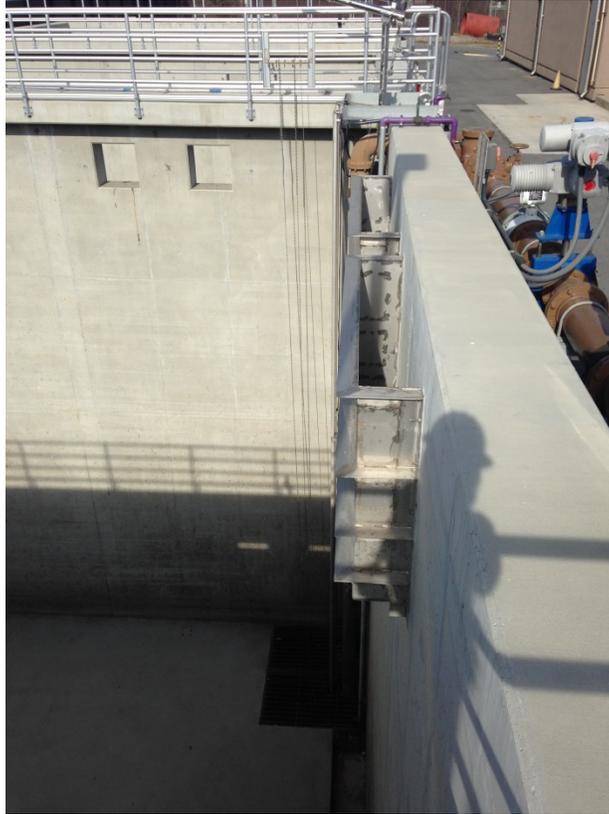


Photo 3: Partial view of one of four stormwater retention cells.



Photo 4: Aeration basin.



Photo 5: Secondary clarifier. Anaerobic digester seen in the background at top right.



Photo 6: Chlorine contact channel.



Photo 7: Final clarifier.



Photo 8: Final effluent channel. Milltronics doppler effluent flow meter (blue) shown at bottom left.



Photo 9: Dechlorination facilities.



Photo 10: Sludge thickening.



Photo 11: Sludge dewatering alternates between the centrifuge (shown) and belt press filter.



Photo 12: Sludge dewatering alternates between the centrifuge and belt press filter (shown).



Photo 13: Storm drain associated with the July 1, 2014, unauthorized discharge, currently plugged and equipped with a sump pump and flexible hose.