



July 17, 2014

California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, #1400
Oakland, CA 94612

Attention: Ms. Marcia Liao, P.E.
Mr. Blair Allen, P.E.

Re: Self-Monitoring Program Reports
Novato Wastewater Treatment Plant

Transmitted please find the **June 2014** Monthly Self Monitoring Report for the Novato Wastewater Treatment Plant, Water Recycling, and the Reclamation area. This report was prepared by John Bailey, Project Manager, Veolia.

On June 1st we transitioned from Bay Discharge to Reclamation / Storage disposal mode. No discharge of effluent to the bay occurred in June.

"I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed 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."

Sincerely,

A handwritten signature in blue ink, appearing to read 'John Bailey', written over a horizontal line.

John Bailey
Project Manager
Veolia Water West - Novato CA

<input type="checkbox"/>	NPDES violation(s) noted this month
<input checked="" type="checkbox"/>	Final Effluent was discharged to Reclamation for irrigation this month.
<input type="checkbox"/>	Wastewater treatment violation(s) noted this month - see attached Evaluation of Violations Report.
<input checked="" type="checkbox"/>	Reclamation area violation(s) noted this month
<input checked="" type="checkbox"/>	Overflow(s) occurred this month see Collection System Report



JUNE 2014

NOVATO SANITARY DISTRICT
VEOLIA WATER WEST OPERATING SERVICES

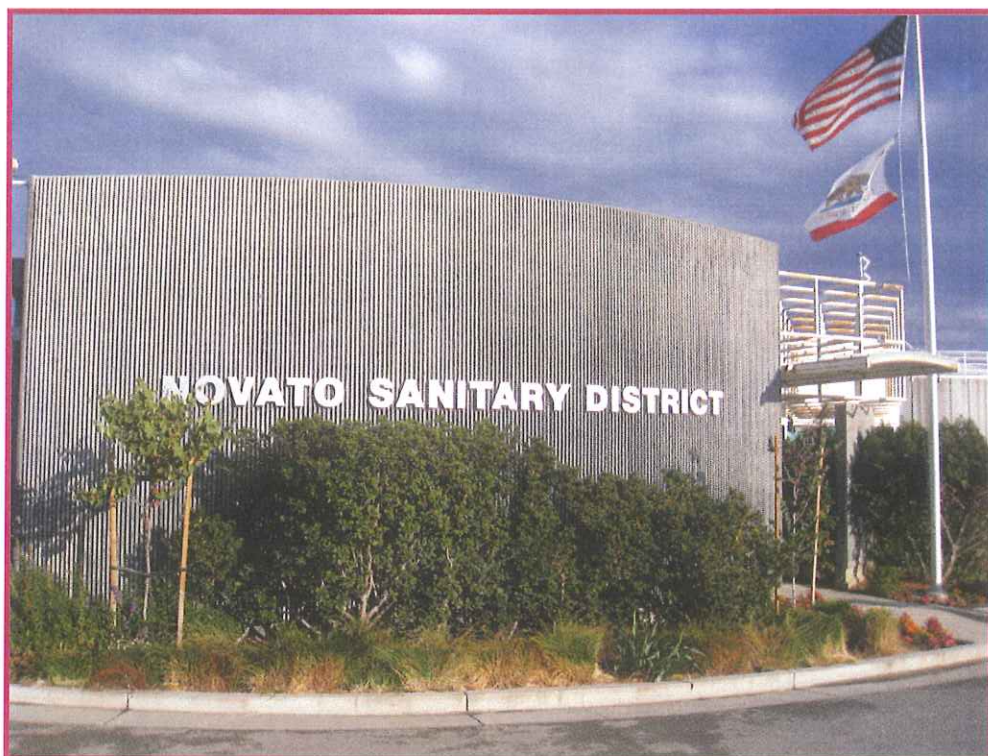
SELF MONITORING PROGRAM

for

THE NOVATO SANITARY DISTRICT

and

RECLAMATION AREA





NOVATO SANITARY DISTRICT SELF-MONITORING PROGRAM Novato Plant

For: June 2014

REPORT SUMMARY

LABORATORY REPORT SUMMARY

- All reported laboratory values with "J" notations or 'flags' are considered "estimated concentration" values. A "J" flag reflects an estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The "J" flag is equivalent to both the "Detected, but not Quantified or DNQ" flag and the 'estimated concentration' definition used by the RWQCB.

OPERATIONS REPORT SUMMARY

On June 1, 2014 effluent disposal transitioned from Bay Discharge (NPDES Requirements) to Reclamation / Storage (Waste Discharge Requirements / WDR). All treated wastewater was either reclaimed or stored for future reclamation. In addition to storage and pasture irrigation, a total of 16.34 million gallons of recycled water was produced / delivered.

NPDES COMPLIANCE INSPECTION

On June 18, 2014 representatives from the California State Water Resources Control Board conducted an annual NPDES Compliance Inspection.



TREATMENT PLANT PERFORMANCE SUMMARY: June 2014:
Reclamation / Storage – Waste Discharge Requirements (WDR)

Parameter	Value		Limit	
	Ave	Max	#1	#2
Flow, MGD (monthly ave/max)	3.56	4.19	N/A	N/A
Max Peak Hour, MGD – Dry Weather Flow	N/A	N/A	N/A	N/A
Influent BOD ₅ , lb/day (month ave/max)	7,579	9,287	N/A	N/A
Influent TSS, lb/day (monthly ave/max)	11,219	13,649	N/A	N/A
Effluent BOD ₅ , mg/L (monthly ave/weekly max)	<8	9	40	N/A
Effluent TSS, mg/L (monthly ave/weekly max)	<3	3	N/A	N/A
Effluent BOD ₅ - % Removal, Minimum	97	N/A	N/A	N/A
Effluent TSS - % Removal, Minimum	99	N/A	N/A	N/A
Ammonia, mg/L – (monthly ave/daily max)	0.20	0.20	N/A	N/A
pH, su (min / max)	6.9	7.4	6.0	9.0
Enterococcus, mpn (30 day geo mean)	N/A	N/A	N/A	N/A
Fecal Coliform, mpn (30 day median)	N/A	N/A	N/A	N/A
Fecal Coliform, mpn (90 th percentile)	N/A	N/A	N/A	N/A
Total Coliform, mpn (5 Sample Median / Max)	50	170	240	10,000
Total Permit Exceedances (NPDES)	0			

NA – Not Applicable

WDR Excursions – Two pH excursions (WDR) at Reclamation Ponds, no discharge from this location.

June 6, 2014, Storage Pond #1 – pH 9.32 / Storage Pond #2 – pH 9.51

Title 22 - Recycled Water Production and Quality

Description	Units	Value	Limit
Volume Produced	Million Gallons	16.34	N/A
Average Turbidity	NTU	1.3	2.0
Turbidity > 5 NTU (in 24 hour)	Minutes	0	72
Minimum CT (disinfection)	ml-min/L	>450	>450
Minimum Dissolved Oxygen (DO)	mg/L	7.9	1.0
Maximum Total Coliform	mpn/100 ml	<2	2

VIOLATIONS / EXCURSIONS - None



NOVATO SANITARY DISTRICT SELF-MONITORING PROGRAM

For: June 2014

COLLECTION SYSTEM OVERFLOWS FOR JUNE 2014

The Novato Sanitary District Collection System had one overflow in June 2014:

1. Monday, June 9, 2014, 1545 S. Novato Blvd., Novato CA, 235 gallon SSO, CIWQS Event ID 807023, Certification ID 292053, Category III event.

EVALUATION OF OVERFLOWS FOR JUNE 2014

1 1545 S. Novato Blvd.: This SSO was a Category III event with an estimated discharge volume of approximately 235 gallons going to a parking lot and storm drain system drain inlet. There was full recovery (100%) for this discharge due to the fact it was a low volume event that was fully contained in the storm drain system due to a sag in the storm drain pipe. This discharge was determined to be the result of a partial blockage from unknown debris in the main line.

Initial actions

1. This overflow was reported to Novato Sanitary District at 08:15 on 6/9/2014 and discharged onto a parking lot area and into a drain inlet serving the parking lot area.
2. Tim O'Connor, Collection System Superintendent arrived on site at 08:29 and found the manhole overflowing. Larry Foged, CSW II and Justin Wall, CSWI arrived on site at approximately 08:32 on 6/9/2014 and cleared the partial stoppage at 08:47 using mechanical grabbers and a hook on a pole.
3. Recovery: As stated above, staff was able to recover all of the discharge, i.e. recovered 100 percent (235 gallons) of the discharge.
4. Volume Estimation: Visual Estimation, Water Height Above the Pick-hole Method and reporting party/eye witness interviews were used to calculate the volume and duration of this event.
5. This event was determined to be a Category III event due to the fact that it was less than 1,000 gallons, fully contained and completely recovered.

Follow-up actions

1. The street area around the discharge manhole and the parking lot was washed down and cleaned by District staff. All wash down and discharge water was recovered during this process.
2. District staff cleaned and televised the sewer mains downstream from the discharge manhole.
3. 104 educational door hanger packets explaining the proper techniques for disposing of waste grease and flushable wipes were distributed to homes, apartments and businesses tributary to the discharge line segment.



Subsequent Analysis and Actions

1. This line segment was cleaned according to schedule on May 2, 2014 and again on May 14, 2014, using a hydro-flusher. This line segment is on a three (3) month cleaning frequency.
2. CCTV inspection immediately after the discharge event showed the line segment to have several moderate to severe sags, some moderate offsets, and minor grease build-up, but was otherwise structurally functional.
3. Staff concluded, based on line cleaning history and the unknown nature of this stoppage that increasing the cleaning frequency would not be an effective countermeasure to preventing future overflows at this location, but that further education of the residents and businesses in the area was warranted. Therefore, working with District administrative and engineering staff, collections crews identified potential dischargers in the tributary area for the affected line segment and conducted an immediate outreach effort. This effort resulted in 104 educational door hanger packets explaining the proper techniques for disposing of waste grease and flushable wipes being distributed to homes, apartments and businesses tributary to the affected line segment
4. This event was reported into the CIWQS database on June 15, 2014 as a Category III event, SSO Event ID # 807023 and was certified in CIWQS on June 20, 2014, Certification ID # 292053.