



May 21, 2014

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

Attention: Ms. Marcia Liao, P.E.

Re: Self-Monitoring Program Reports  
Novato Wastewater Treatment Plant

Transmitted please find the **April 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.

"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 black ink, appearing to read 'John Bailey', written over a horizontal line.

John Bailey  
Project Manager  
Veolia Water West - Novato CA

- ☐ NPDES violation(s) noted this month
- ☐ Final Effluent was discharged to Reclamation for irrigation this month.
- ☐ Wastewater treatment violation(s) noted this month - see attached Evaluation of Violations Report.
- ☒ Reclamation area violation(s) noted this month
- ☐ Overflow(s) occurred this month see Collection System Report



APRIL 2014

NOVATO SANITARY DISTRICT  
VEOLIA WATER WEST OPERATING SERVICES

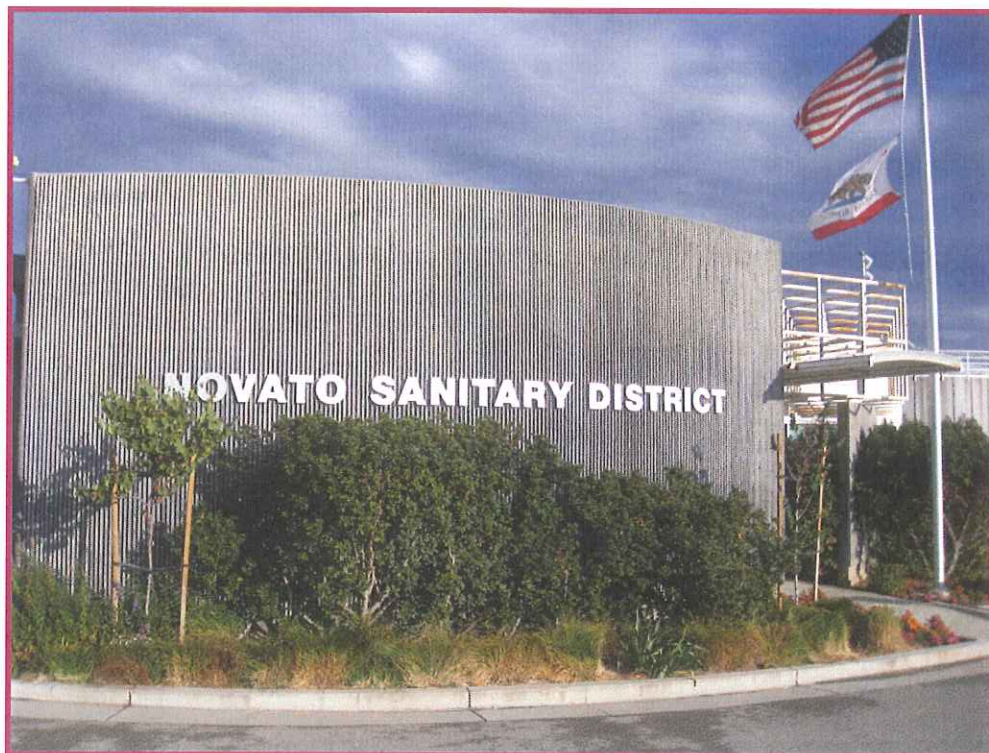
SELF MONITORING PROGRAM

for

THE NOVATO SANITARY DISTRICT

and

RECLAMATION AREA





**NOVATO SANITARY DISTRICT  
SELF-MONITORING PROGRAM  
Novato Plant**

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**For: April 2014**

**REPORT SUMMARY**

**LABORATORY REPORT SUMMARY**

**Discharge Status:**

Final effluent disposal in April was to San Pablo Bay (Bay Discharge). Most monthly monitoring samples were collected on April 5 (influent) and April 6 (effluent).

**Nutrients 13267 Study:** Samples were collected on April 5<sup>th</sup> and April 22<sup>nd</sup>. The lab results for these sampling events was included in the quarterly *Nutrients* update submitted on April 28, 2014.

- 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.

**Report Notes:**

1. Monthly effluent monitoring for toxicity was 100% survival for fathead minnow. Oil and grease, cyanide, cadmium, selenium, and silver were not detected. Lead was an estimated concentration (j flag), and the remaining metals, arsenic, chromium, copper, nickel, and zinc were typical of Novato’s effluent.

**OPERATIONS REPORT SUMMARY**

Total rainfall for the month of April was 2.71 inches and intermittent pasture irrigation continued.

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## TREATMENT PLANT PERFORMANCE SUMMARY:

### Bay Discharge – NPDES Limits

Parameter	Value		Limit	
	Ave	Max	#1	#2
Flow, MGD (monthly ave/max)	4.65	7.87	N/A	N/A
Max Peak Hour, MGD – 4/1/14, 1800 Hours	N/A	10.6	N/A	N/A
Influent BOD <sub>5</sub> , lb/day (month ave/max)	8,718	14,660	N/A	N/A
Influent TSS, lb/day (monthly ave/max)	11,872	18,468	N/A	N/A
Effluent BOD <sub>5</sub> , mg/L (monthly ave/weekly max)	<8	13	30	45
Effluent TSS, mg/L (monthly ave/weekly max)	<4	4	30	45
Effluent BOD <sub>5</sub> - % Removal, Minimum	96	N/A	85	N/A
Effluent TSS - % Removal, Minimum	99	N/A	85	N/A
Ammonia, mg/L – (monthly ave/daily max)	1.05	4.77	6	21
pH, su (min / max)	6.8	7.1	6.5	8.5
Enterococcus, mpn (30 day geo mean)	5.7	N/A	35	N/A
Fecal Coliform, mpn (30 day median)	7	N/A	140	N/A
Fecal Coliform, mpn (90 <sup>th</sup> percentile)	30	N/A	430	N/A
Total Coliform, mpn (5 Sample Median / Max)	N/A	N/A	240	10,000
<b>Total Permit Exceedances (NPDES)</b>	0			

### Title 22 - Recycled Water Production and Quality (Off Line)

Description	Units	Value	Limit
Volume Produced	Million Gallons	1.97	N/A
Average Turbidity	NTU	1.5	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	9.0	1.0
Maximum Total Coliform	mpn/100 ml	<2	2

Total Rainfall. – 2.71 inches

### ***VIOLATIONS / EXCURSIONS - March 2014***

**No NPDES Violations – One pH excursions (WDR) at Reclamation Ponds, no discharge from this location.**



## **NOVATO SANITARY DISTRICT SELF-MONITORING PROGRAM**

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**For: April 2014**

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### **COLLECTION SYSTEM OVERFLOWS FOR APRIL 2014**

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The Novato Sanitary District Collection System had no (zero) sewer system overflows (SSOs) in April 2014:

The No Spill Certification Confirmation number is: 2392513

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