



May 25, 2011

**CERTIFIED MAIL**

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


Attention: Ms. Tong Yin, Ph.D., P.E.

Re: Self-Monitoring Program Reports  
Novato Wastewater Treatment Plant

Enclosed please find the **April 2011** Monthly Self Monitoring Report for the Novato Wastewater Treatment Plant, and the Reclamation area. This report was prepared by Linda Candelaria, Laboratory Supervisor.

"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,

  
\_\_\_\_\_  
John Bailey  
Project Manager  
Veolia Water West

- \_\_\_\_\_ NPDES violations noted this month
- \_\_\_\_\_ Wastewater was diverted to Reclamation for irrigation this month.
- \_\_\_\_\_ Wastewater treatment violations noted this month - see attached Evaluation of Violations Report.
- X   Reclamation facility violations noted this month - see attached Evaluation of Violations Report.
- X   Overflows occurred this month- see attached Overflow Report

cc: Division of Water Quality, DMR Processing Center, P.O. Box 100, Sacramento, CA 95812

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

## **Novato Plant**

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**For: April 2011**

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### **NOTES**

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#### **ANALYTICAL NOTE:**

- All BOD analysis is analyzed by Standard Methods 5210 B.
- All TSS analysis is analyzed by Standard Methods 2540 D.
- The District initiated a TIE on February 16, 2011, due to the February 2, 2011 chronic toxicity EC<sub>25</sub> (%) result of 8.6 TUc. The Water Board staff has received reports of the Phase I TIE report with the results of the initial findings under a separate correspondence dated March 23, 2011. Part of the first phase of the TRE plan is to investigate the District's internal process streams. A chronic toxicity test was initiated on March 28, 2011 and another chronic toxicity test was initiated on April 18, 2011 as part of the internal processes investigation. The chronic toxicity test initiated in April resulted in a 43.5 TUc value.
- Note that all analytical results with a "0.0" value in the report represents a "ND" value.
- All ammonia values are reported down the "reporting limit" of 0.1 mg/L.
- A "J" symbol reflects estimated analytical result value detected below the Reporting Limit (R.L.) and above the Method Detection Limit (MDL). The "J" flag is equivalent to the DNQ Estimated Concentration flag.

#### **REPORT NOTE:**

- The District completed the semi-annual sampling on March 16, 2011; data for the EPA 624, EPA 625, EPA 608, EPA 1613, EPA 614 analyses were included in last month's report. The EPA 1668C analyses data was not available for submittal in the previous month's report; it is included as an attachment in this month's report.
- Values are reported to significant figures, as required by permit limits.
- All laboratory values with "J" or "DNQ" values are "estimated concentration" values. The electronic system does not accommodate written parameters; this notification is to satisfy requirement E-11, 4b. of the District's NPDES permit of identifying all "J" or "DNQ" values as "estimated concentration" values.
- Handwriting on the April SMR was completed by Linda Candelaria, Laboratory Supervisor.
- An ERS testing file was submitted to Johnson Lam for the April 2011 SMR.

**Novato Sanitary District  
Self-Monitoring Report –April 2011**

- Full chronic laboratory report included in this SMR. Below is a summary of the last 11 reports.

Tabular Summary of Effluent Test Results (most sensitive endpoint) Chronic Toxicity Testing

Test Date	Apr-10	May-10	Jun-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11
EC25	14.1	>100	>100	>100	10.8	>100	>100	11.6	58	2.3
NOEC	12.5	100	<6.25	100	12.5	100	100	6.25	50	<6.25
Tuc (100/EC25)	7.1	<1.0	<1.0	<1.0	9.3	<1.0	<1.0	8.6	1.7	43.5

**OPERATION NOTE:**

**VIOLATIONS FOR April 2011**

NPDES VIOLATION (DISCHARGE)	PARAMETER	RESULT	DATE
NONE			

WDR VIOLATION (RECLAMATION)	PARAMETER	RESULT	DATE
E-007	pH	9.8	4/01/2011
E-008	pH	9.5	4/01/2011

**EVALUATION OF VIOLATIONS FOR APRIL 2011**

**NPDES – NONE**

**WDR / RECLAMATION SITE**

**pH WDR - E-007 – E-008:** A wide fluctuation in pH is normal for pond operations. This is a naturally occurring condition due primarily to photosynthesis and the oxygen / carbon dioxide cycle.

Note - An online technical article describing this cycle can be found at:

[http://aquanics.org/publicat/usda\\_rac/efs/srac/464fs.pdf](http://aquanics.org/publicat/usda_rac/efs/srac/464fs.pdf) . **No discharge from this location occurs.**

## **COLLECTION SYSTEM OVERFLOWS FOR APRIL 2011**

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The Novato Sanitary District Collection System had one overflow for April 2011:

Monday, April 11, 2011, 200 Posada Del Sol, Novato CA, 60 gallon SSO,  
Event ID 765363, Certification ID 323233

### **EVALUATION OF THE OVERFLOW FOR APRIL 2011**

200 Posada Del Sol: The discharge amount of approximately 60 gallons. The event was caused by a partial root blockage in the sewer main line. District personnel cleared the blockage and recovered 0 percent (0 gallons) of the discharge. District staff flushed and vacuumed out approximately 1,000 gallons of water from the receiving storm drain in an effort to recover the majority of the discharge water. This storm drain system discharges into a reed choked drainage ditch and potentially into Pacheco Creek. The storm drain affected by the discharge was flushed with de-chlorinated water and all wash down water recovered. District staff televised the sewer main and found root intrusion in the main. This main line segment as well as the sewer lines tributary to it was cleaned immediately following the overflow. The District's water sampling and public notification protocols was not activated due to the lack of viable sampling sites and the small volume of the discharge. This main was last cleaned 2/2010 and was on a 60 month hydro-flusher schedule before the discharge. This frequency has been changed to a 6 month hydro-flusher schedule and a 12 month rodder schedule until further notice.