



April 26, 2012

**Emailed to Dylan Garner
Federal Express**

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

Attention: Mr. Dylan Garner, P.E.

Re: Self-Monitoring Program Reports
Novato Wastewater Treatment Plant

Enclosed please find the **March 2012** Monthly Self Monitoring Report for the Novato Wastewater Treatment Plant, and the Reclamation area. This report was prepared John Bailey, Project Manager Veolia Water.

"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

- ☐ 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.
- ☐ Reclamation facility violations noted this month - see attached Evaluation of Violations Report.
- ☒ Overflows occurred this month see attached Overflow Report



MARCH 2012

NOVATO SANITARY DISTRICT
VEOLIA WATER WEST OPERATING SERVICES

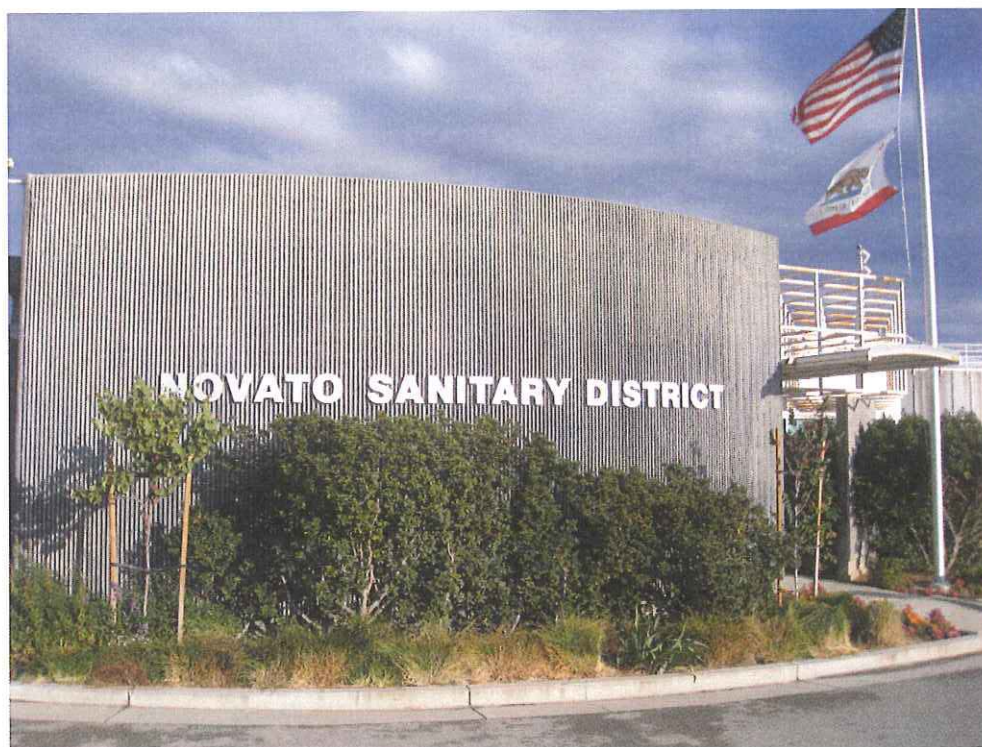
SELF MONITORING PROGRAM

for

THE NOVATO SANITARY DISTRICT

and

RECLAMATION AREA



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

For: March 2012

REPORT SUMMARY

LABORATORY NOTES:

- **Whole Effluent Toxicity (WET) Testing:** The Novato Sanitary District (NSD) continued Chronic Toxicity accelerated monitoring. The March toxicity result was 45.5 TUc. Toxicity exhibited was for reproduction, not mortality. We are continuing to work with Aqua Science to resolve the cause of toxicity. The *Chronic Toxicity Summary Table* that follows has been updated with March 2012 data. A report on the Toxicity Reduction Evaluation (TRE) will be forthcoming.

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

Test Date	Apr-11	May-11a	Jun-11b	Sep-11c	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12
EC25	2.3	1.7	2.5	10.7	4.9	3.3	2.5	1.6	1.4	2.2
NOEC	<6.25	<6.25	<25	6.3	12.5	<6.25	<6.25	<6.25	<6.25	<6.25
Tuc (100/EC25)	43.5	58.8	40.0	9.3	20.4	30.3	40.0	62.5	71.4	45.5

- As outlined in Attachment E of the NPDES Permit CA0037958, NSD will submit a screening proposal to the Regional Board
- 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.
- 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.
- Value results of "< 1.0" are reported as "1.0 MPN/100 mL to complete the calculation of the geometric mean.

OPERATION NOTES:

Treatment plant was in Bay Discharge mode throughout the month of March.

VIOLATIONS FOR MARCH 2012

NPDES - None

Reclamation Facility – None

NOVATO SANITARY DISTRICT SELF-MONITORING PROGRAM

For: March 2012

COLLECTION SYSTEM OVERFLOWS FOR MARCH 2012

The Novato Sanitary District Collection System had two overflows for March 2012:

1. Thursday, March 8, 2012, 209 Judith Ct, Novato CA, 278 gallon SSO, CIWQS Event ID 778513, Certification ID 815398, Category II event
2. Friday, March 30, 2012, 9 Redwood Blvd, Novato CA, 120 gallon SSO, CIWQS Event ID 779331, Certification ID 724954, Category II event

EVALUATION OF OVERFLOWS FOR MARCH 2012

209 Judith Ct: This discharge was estimated to be 278 gallons, and was determined to be caused by root intrusion in a sewer manhole.

Initial actions

1. District staff arrived on site and relieved the stoppage using hand rods and began cleanup operations.
2. Recovery: Staff was unable to recover any of the discharge, i.e. recovered 0 percent (0 gallons) of the discharge.
3. The San Diego picture comparison method and reporting party interview was used to determine the volume and duration of this event.
4. The overflow discharged into raised planting beds and into a pool deck drain that discharged into a steep, hillside easement area below the home. The second point of discharge in the backyard of 205 Judith Ct was minimal and soaked into the ground around the manhole.
5. The discharge was determined to be a Category Two event due to the low volume and the fact that no water ways, drainage ditches or storm drains were affected. This was an open ground spill
6. Marin County Environmental Health was notified of this discharge.

Follow-up actions

1. The area around the raised planting beds and pool deck drain was washed down and cleaned up.
2. Every sewer structure in the easement was visually inspected (23 structures) for similar root intrusion problems and found to be clear on the day of the event.

Subsequent Analysis and Actions

1. District staff televised the sewer main and found no problem in the affected main line section.
2. The affected mainline section and tributary line segments have been added to the District's Preventative Maintenance program.

9 Redwood Blvd: This discharge was estimated to be 120 gallons, and was determined to be caused by root intrusion/wipes in the main line.

Initial actions

1. District staff arrived on site and relieved the stoppage with the hydro-flusher and began cleanup operations.
2. Recovery: Staff was able to recover a large portion of the discharge, i.e. recovered 90 percent (108 gallons) of the discharge.
3. The San Diego picture comparison method and volumetric calculation was used to determine the volume of this event.
4. The overflow discharged across open ground, into a cement valley gutter, where it was contained and prevented from entering the storm drain system.
5. The discharge was determined to be a Category Two event due to the low volume and open ground location.
6. Marin County Environmental Health was notified of this discharge.

Follow-up actions

3. The valley gutter pan was vacuumed clean and all wash down water recovered.
4. The sewer line segment that caused the discharge was cleaned using the hydro-flusher on the day of the event.

Subsequent Analysis and Actions

3. District staff televised the sewer main and found significant root intrusion in the affected main line section.
4. The District's Preventive Maintenance (PM) system indicates that this sewer main is on a 6 month schedule and was last cleaned on-schedule on 2/13/2011.
5. The cleaning frequency has been changed to a 3 month cleaning schedule as a result of this discharge.
6. District staff is evaluating this and adjoining line segments for repair or replacement during fiscal year 2012/13.