VEOLIA
WATER

August 20, 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 ***July 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 July.

"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 - Novato CA

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

NOVATO SANITARY DISTRICT
SELF-MONITORING PROGRAM
Novato Plant

For: July 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 13.55 million gallons of recycled water was produced / delivered.

TREATMENT PLANT PERFORMANCE SUMMARY: July 2014:

Reclamation / Storage – Waste Discharge Requirements (WDR)

Parameter	Value		Limit	
	Ave	Max	#1	#2
Flow, MGD (monthly ave/max)	3.33	3.77	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)	8,044	10,321	N/A	N/A
Influent TSS, lb/day (monthly ave/max)	11,129	16,161	N/A	N/A
Effluent BOD_5, mg/L (monthly ave/weekly max)	<8	14	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)	0.48	0.48	N/A	N/A
pH, su (min / max)	6.7	7.3	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	70	240	10,000
Total Permit Exceedances (WDR)	0			

NA – Not Applicable

WDR Excursions – Seven pH excursions (WDR) at Reclamation and Wildlife Ponds, **no discharge from this location.**
7/3, Wildlife Pond Inf – pH 9.03 / Eff – pH 9.23
7/18, Storage Pond #1 – pH 10.24 / #2 pH 10.18
7/25, Wildlife Pond Inf – pH 9.16 / Eff – pH 9.10
7/31, Wildlife Pond Eff – pH 9.06

Title 22 - Recycled Water Production and Quality

Description	Units	Value	Limit
Volume Produced	Million Gallons	13.55	N/A
Average Turbidity	NTU	1.2	2.0
Turbidity > 5 NTU (in 24 hour)	Minutes	0	72
Minimum CT (disinfection)	mg-min/L	>450	>450
Minimum Dissolved Oxygen (DO)	mg/L	8.0	1.0
Maximum Total Coliform	mpn/100 ml	<2	2

VIOLATIONS / EXCURSIONS - None

NOVATO SANITARY DISTRICT
SELF-MONITORING PROGRAM

For: July 2014

COLLECTION SYSTEM OVERFLOWS FOR JULY 2014

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

The No Spill Certification Confirmation number is: 2402271

Novato Sanitary District
BOD/TSS Report

VEOLIA WATER

July, 2014

Date	Flow MGD	Influent				Effluent				BOD % Removal	TSS % Removal
		BOD		TSS		BOD		TSS			
		mg/l	lb/d	mg/l	lb/d	mg/l	lb/d	mg/l	lb/d	PERCENT	PERCENT
07/01/14	3.30	279	7,679	448	12,330	19	523	<3	<83	93.2	99.3
07/02/14	3.33	256	7,110	357	9,915	15	417	<3	<83	94.1	99.2
07/03/14	3.27	310	8,454	470	12,818	9	245	<3	<82	97.1	99.4
07/04/14	2.96										
07/05/14	3.02										
07/06/14	3.21										
07/07/14	3.67	245	7,499	528	16,161	<5	<153	<2	<61	98.0	99.6
07/08/14	3.53										
07/09/14	3.21	324	8,674	356	9,531	8	214	2	54	97.5	99.4
07/10/14	3.26										
07/11/14	3.21	275	7,362	128	3,427	5	134	3	80	98.2	97.7
07/12/14	3.16										
07/13/14	3.22										
07/14/14	3.25	327	8,863	425	11,520	<5	<136	<3	<81	98.5	99.3
07/15/14	3.35										
07/16/14	3.26	215	5,846	419	11,392	<5	<136	<3	<82	97.7	99.3
07/17/14	3.29										
07/18/14	3.13	350	9,136	585	15,271	7	183	<3	<78	98.0	99.5
07/19/14	3.16										
07/20/14	3.30	329	9,055	356	9,798	12	330	<3	<83	96.4	99.2
07/21/14	3.69										
07/22/14	3.75	330	10,321	482	15,075	10	313	<3	<94	97.0	99.4
07/23/14	3.77										
07/24/14	3.61	247	7,437	352	10,598	<5	<151	4	120	98.0	98.9
07/25/14	3.58										
07/26/14	3.36										
07/27/14	3.56										
07/28/14	3.25	251	6,803	324	8,782	<5	<136	<3	<81	98.0	99.1
07/29/14	3.17	299	7,905	384	10,152	10	264	<3	<79	96.7	99.2
07/30/14	3.18										
07/31/14	3.35	305	8,521	364	10,170	<5	<140	<3	<84	98.4	99.2
Weekly Averages											
07/05/14	Week 1	282	3,514	425	5,301	14	179	3	37		
07/12/14	Week 2	281	3,558	337	4,403	6	76	2	29		
07/19/14	Week 3	297	3,605	476	5,773	6	69	3	36		
07/26/14	Week 4	302	4,054	397	5,363	9	120	3	45		
	Week 5										
Monthly											
Minimum	2.96	215	5,846	128	3,427	<5	61	<2	24	93	98
Maximum	3.77	350	10,321	585	16,161	19	237	4	55	98	100
Total	103.36										
Average	3.33	289	8,044	399	11,129	<8	<105	<3	<37	97	99

Novato Sanitary District
BOD/TSS Report

VEOLIA WATER

July, 2014

Date	Flow MGD	Influent				Effluent				BOD % Removal	TSS % Removal
		BOD		TSS		BOD		TSS			
		mg/l	Kg/d	mg/l	Kg/d	mg/l	Kg/d	mg/l	Kg/d	PERCENT	PERCENT
07/01/14	3.30	279	3,483	448	5,593	19	237	<3	<37	93.2	99.3
07/02/14	3.33	256	3,225	357	4,497	15	189	<3	<38	94.1	99.2
07/03/14	3.27	310	3,835	470	5,814	9	111	<3	<37	97.1	99.4
07/04/14	2.96										
07/05/14	3.02										
07/06/14	3.21										
07/07/14	3.67	245	3,401	528	7,330	<5	<69	<2	<28	98.0	99.6
07/08/14	3.53										
07/09/14	3.21	324	3,934	356	4,323	8	97	2	24	97.5	99.4
07/10/14	3.26										
07/11/14	3.21	275	3,339	128	1,554	5	61	3	36	98.2	97.7
07/12/14	3.16										
07/13/14	3.22										
07/14/14	3.25	327	4,020	425	5,225	<5	<61	<3	<37	98.5	99.3
07/15/14	3.35										
07/16/14	3.26	215	2,651	419	5,167	<5	<62	<3	<37	97.7	99.3
07/17/14	3.29										
07/18/14	3.13	350	4,144	585	6,927	7	83	<3	<36	98.0	99.5
07/19/14	3.16										
07/20/14	3.30	329	4,107	356	4,444	12	150	<3	<37	96.4	99.2
07/21/14	3.69										
07/22/14	3.75	330	4,681	482	6,838	10	142	<3	<43	97.0	99.4
07/23/14	3.77										
07/24/14	3.61	247	3,373	352	4,807	<5	<68	4	55	98.0	98.9
07/25/14	3.58										
07/26/14	3.36										
07/27/14	3.56										
07/28/14	3.25	251	3,086	324	3,983	<5	<61	<3	<37	98.0	99.1
07/29/14	3.17	299	3,586	384	4,605	10	120	<3	<36	96.7	99.2
07/30/14	3.18										
07/31/14	3.35	305	3,865	364	4,613	<5	<63	<3	<38	98.4	99.2
Weekly Averages											
07/05/14	Week 1	282	3,514	425	5,301	14	179	3	37		
07/12/14	Week 2	281	3,558	337	4,403	6	76	2	29		
07/19/14	Week 3	297	3,605	476	5,773	6	69	3	36		
07/26/14	Week 4	302	4,054	397	5,363	9	120	3	45		
	Week 5										
Monthly											
Minimum	2.96	215	2,651	128	1,554	<5	61	<2	24	93	98
Maximum	3.77	350	4,681	585	7,330	19	237	4	55	98	100
Total	103.36										
Average	3.33	289	3,649	399	5,048	<8	<105	<3	<37	97	99

Novato Sanitary District
Conventional Pollutants Report

VEOLIA WATER

July, 2014

Date	INFLUENT - A001			Effluent - E002							
	Flow	pH	Ammonia	Coliform / Bacteria			pH	Ammonia	Unionized Ammonia	Oil & Grease	Temp
	Total			Fecal	Entero	Total					
	MGD	su	mg/L	MPN/100 mL			su	mg/L	mg/L		Deg C
07/01/14	3.30	6.7				8	7.0				24.5
07/02/14	3.33	7.1				13	6.9				24.3
07/03/14	3.27	7.1				2	6.9				24.1
07/04/14	2.96						6.9				24.1
07/05/14	3.02										
07/06/14	3.21										
07/07/14	3.67	6.9				14	7.0				23.7
07/08/14	3.53	7.2					7.1				24.6
07/09/14	3.21	7.0				23	7.0				24.0
07/10/14	3.26						7.0				24.3
07/11/14	3.21	7.0				14	7.0				24.0
07/12/14	3.16										
07/13/14	3.22										
07/14/14	3.25	7.1				4	7.0				24.7
07/15/14	3.35						6.9				24.7
07/16/14	3.26	6.8	34			4	7.0	0.48	0.00268		24.8
07/17/14	3.29						7.0				24.8
07/18/14	3.13	7.1				9	7.0				24.5
07/19/14	3.16										
07/20/14	3.30					8					
07/21/14	3.69	7.3					7.1				24.4
07/22/14	3.75					50	7.1				24.3
07/23/14	3.77						7.1				25.2
07/24/14	3.61	6.7				50	7.0				24.9
07/25/14	3.58						7.1				25.7
07/26/14	3.36										
07/27/14	3.56										
07/28/14	3.25	6.7				30	7.1				25.2
07/29/14	3.17					70	7.0				24.9
07/30/14	3.18	7.2					7.0				25.4
07/31/14	3.35					2	7.0				24.9
Monthly											
Minimum	2.96	6.7	34			2	6.9	0.48			23.7
Maximum	3.77	7.3	34			70	7.1	0.48	0.00268		25.7
Total	103.36										
Average	3.33	7.0	34				7.0	0.48	0.00268		24.6

NOVATO SANITARY DISTRICT
WATER RECLAMATION 2014
COMPLIANCE SUMMARY REPORT

July	Fil Inf Q	Million Gallons Delivered			nfluent Turbidit		Effluent Turbidity		Cl^2 Dose mg/L		DO	Coliform	CT
		Rec	Bank	Pot	Max	Ave	Min +5	Ave	Min	Ave	mg/L	mpn	Min
July 1	1.430	0.703					0	1.5			8.5	< 2	> 450
July 2	0.830	0.657					0	1.9			8.5	< 2	> 450
July 3			0.508									< 2	
July 4	1.130	0.063	0.053	0.75			0	1.9				< 2	> 450
July 5				0.59									
July 6				0.79									
July 7				0.68									
July 8				0.70									
July 9				0.64									
July 10	0.820	0.560		0.18		1.9	0	1.7			8.1	< 2	> 450
July 11	0.860	0.695				2.0	0	1.6			8.3	< 2	> 450
July 12	0.860	0.671				1.8	0	1.7			8.4	< 2	> 450
July 13	0.770	0.744				1.7	0	1.7			8.3	< 2	> 450
July 14	0.860	0.661				1.8	0	1.8			8.7	< 2	> 450
July 15	0.720	0.765				1.8	0	1.7			8.1	< 2	> 450
July 16	0.680	0.583				1.5	0	1.8				< 2	> 450
July 17	0.800	0.761				1.8	0	1.6				< 2	> 450
July 18	0.790	0.373				1.4	0	1.6				< 2	> 450
July 19	0.030	0.299				1.6	0	1.6				< 2	> 450
July 20	0.020		0.235										
July 21	1.130	0.154				2.6	0	1.9			8.3	< 2	> 450
July 22	0.790	0.537				2.2	0	1.7			8.1	< 2	> 450
July 23	0.840	0.263				1.5	0	1.4			8.2	< 2	> 450
July 24	0.680	0.740				2.3	0	1.4				< 2	> 450
July 25	0.760	0.708				1.7	0	1.4				< 2	> 450
July 26	0.630	0.339				1.6	0	1.5				< 2	> 450
July 27	0.540	0.376				1.5	0	1.2			8.1	< 2	> 450
July 28	0.560	0.393				2.1	0	1.8			8.1	< 2	> 450
July 29	0.650	0.496				2.2	0	1.9			8.0	< 2	> 450
July 30	0.640	0.308	0.131	0.19		1.9	0	1.3					> 450
July 31	0.860	0.77				2.0	0	1.7				< 2	> 450
Total	18.68	12.62	0.93	4.51									450
Min	0.02	0.06	0.05	0.18	0		< 0.0	< 1.2	0.0	0.0	8.0	< 2	> 450
Max	1.43	0.77	0.51	0.79	0		< 0.0	< 1.9	0.0	0.0	8.7	< 2	> 450
Ave	0.75	0.53	0.23			NA	< 0.0	< 1.6			8.3	<	> 450
Count	25	24	4	8	0	NA	23	24	0	0		23	23

Total Banked + Title 22	**13.55**
Potable Water Delivered	**4.51**
Total Water Delivered	**18.05**

VEOLIA