FEBRUARY 2014

NOVATO SANITARY DISTRICT
VEOLIA WATER WEST OPERATING SERVICES

SELF MONITORING REPORT

MONTHLY / ANNUAL COMPLIANCE SUMMARIES



Novato Sanitary District
Self Monitoring Program

YTD Through the Month of February 2014

Compliance Summary

Parameter	BIOCHEMICAL OXYGEN DEMAND								
Season	Discharge (Wet Season)			Discharge (Dry Season)			Reclamation (WDR)		
Limit	Mnthly Ave	Wkly Ave	Removal	Mnthly Ave	Mnthly Ave	Removal	Mnthly Ave	Wkly Ave	Removal
Value	30	45	85	15	45	85	40	N/A	N/A
Units	mg/L	mg/L	Percent	mg/L	mg/L	mg/L	mg/L	mg/L	Percent
Jan-12	0 / 1	0 / 4	0 / 1	/	/	/	/	/	/
Feb-12	0 / 1	0 / 3	0 / 1	/	/	/	0 / 1	/	/
Mar-12									
Apr-12									
May-12									
Jun-12									
Jul-12									
Aug-12									
Sep-12									
Oct-12									
Nov-12									
Dec-12									
TOTAL	**0 / 2**	**0 / 7**	**0 / 2**	**0 / 0**	**0 / 0**	**0 / 0**	**0 / 1**	**0 / 0**	**0 / 0**

Novato Sanitary District
Self Monitoring Program

YTD Through the Month of February 2014

Compliance Summary

Parameter	TOTAL SUSPENDED SOLIDS								
Season	Discharge (Wet Season)			Discharge (Dry Season)			Reclamation (WDR)		
Limit	Mnthly Ave	Wkly Ave	Removal	Mnthly Ave	Mnthly Ave	Removal	Mnthly Ave	Wkly Ave	Removal
Value	30	45	85	15	45	85	N/A	N/A	N/A
Units	mg/L	mg/L	Percent	mg/L	mg/L	mg/L	mg/L	mg/L	Percent
Jan-12	0 / 1	0 / 4	0 / 1	/	/	/	/	/	/
Feb-12	0 / 1	0 / 3	0 / 1	/	/	/	/	/	/
Mar-12									
Apr-12									
May-12									
Jun-12									
Jul-12									
Aug-12									
Sep-12									
Oct-12									
Nov-12									
Dec-12									
TOTAL	**0 / 2**	**0 / 7**	**0 / 2**	**0 / 0**	**0 / 0**	**0 / 0**	**0 / 0**	**0 / 0**	**0 / 0**

Novato Sanitary District
Self Monitoring Program

YTD Through the Month of February 2014

Compliance Summary

Parameter	AMMONIA					
Season	Discharge (Wet Season)		Discharge (Dry Season)		Reclamation (WDR)	
Limit	Mnthly Max	Daily Max	Mnthly Max	Daily Max	Mnthly Max	Daily Max
Value	6	21	6	21	N/A	N/A
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Jan-12	0 / 1	0 / 7	/	/	/	/
Feb-12	0 / 1	0 / 11				
Mar-12						
Apr-12						
May-12						
Jun-12						
Jul-12						
Aug-12						
Sep-12						
Oct-12						
Nov-12						
Dec-12						
TOTAL	**0 / 2**	**0 / 18**	**0 / 0**	**0 / 0**	**0 / 0**	**0 / 0**

Novato Sanitary District
Self Monitoring Program

YTD Through the Month of February 2014

Compliance Summary

DISINFECTION					
Parameter	Fecal Coliform		Enterococcus	Total Coliform	
Season	Discharge			Reclamation	
Limit	90th %ile	Median	30 d geo mean	5 median	Maximum
Value	430	140	35	240	10,000
Units	mpn/100 ml		Colonies/100 ml	mpn/100 ml	
Jan-12	0 / 1	0 / 1	0 / 1	/	/
Feb-12	0 / 1	0 / 1	0 / 1	0 / 4	0 / 4
Mar-12				/	/
Apr-12				/	/
May-12				/	/
Jun-12					
Jul-12					
Aug-12					
Sep-12					
Oct-12				/	/
Nov-12				/	/
Dec-12				/	/
TOTAL	**0 / 2**	**0 / 2**	**0 / 2**	**0 / 4**	**0 / 4**

Novato Sanitary District
Self Monitoring Program

YTD Through the Month of February 2014

Compliance Summary

Parameter	pH					
Season	Discharge (Wet Season)		Discharge (Dry Season)		Reclamation (WDR)	
Limit	Daily Max	Daily Min	Daily Max	Daily Min	Daily Max	Daily Min
Value	8.5	6.5	8.5	6.5	9.0	6.0
Units	su	su	su	su	su	su
Jan-12	0 / 22	0 / 22	/	/	/	/
Feb-12	0 / 14	0 / 14			0 / 6	0 / 6
Mar-12						
Apr-12						
May-12						
Jun-12						
Jul-12						
Aug-12						
Sep-12						
Oct-12						
Nov-12						
Dec-12						
TOTAL	**0 / 36**	**0 / 36**	**0 / 0**	**0 / 0**	**0 / 6**	**0 / 6**

Novato Sanitary District
Self Monitoring Program

YTD Through the Month of February 2014

Compliance Summary

Parameter	OIL and GREASE					
Season	Discharge (Wet Season)		Discharge (Dry Season)		Reclamation (WDR)	
Limit	Mnthly Ave	Daily Max	Mnthly Ave	Daily Max	Mnthly Ave	Daily Max
Value	10	20	5	15	N/A	N/A
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Jan-12	0 / 1	0 / 1	/	/	/	/
Feb-12	0 / 1	0 / 1			/	/
Mar-12						
Apr-12						
May-12						
Jun-12						
Jul-12						
Aug-12						
Sep-12						
Oct-12						
Nov-12						
Dec-12						
TOTAL	**0 / 2**	**0 / 2**	**0 / 0**	**0 / 0**	**0 / 0**	**0 / 0**

Novato Sanitary District Self-Monitoring Program

Single Species Flow Through Bioassay Results
96 hour, flow-through, 5th Edition
YTD Through the Month of February 2014

Bioassay Results for: **Pimephales Promelas**

SAMPLE RANK	YEAR	MONTH DAY (End)	FISH % SURVIVAL	11 SAMPLE MEDIAN	90TH PERCENTILE
				(90% Survival)	(70% Survival)
11	2012	14-Dec-12	100		
10	**2013**	**18-Jan-13**	**100**		
9	2013	Feb-13	100		
8	2013	Mar-13	100		
7	2013	Apr-13	100		
6	2013	8-May-13	100		
	2013	1-Jun-13	No Discharge		
	2013	1-Jul-13	No Discharge		
	2013	1-Aug-13	No Discharge		
	2013	1-Sep-13	No Discharge		
5	2013	11-Oct-13	100		
4	2013	22-Nov-13	100		
3	2013	20-Dec-13	100	100	
2	2014	17-Jan-14	100	100	1
1	**2014**	**18-Feb-14**	**100**	**100**	**100%**

No Bioassay / Discharge Between June & September / Reclamation

90th %ile Calc	
11	
0.9	
10th Value	**9.9**

NOVATO SANITARY DISTRICT
SELF MONITORING REPORT

A-002 2014 NOVATO MONTHLY AVERAGE INFLUENT METALS VALUES

PARAMETER		Arsenic			Cadmium			Chromium		Copper		Lead		Mercury		Nickel			Selenium			Silver		Zinc			Cyanide	
Method:		EPA 200.8			EPA 200.8			EPA 200.8		EPA 200.8		EPA 200.8		EPA 1631		EPA 200.8			EPA 200.8			EPA 200.8		EPA 200.8			SM20-4500C&E	
MDEL (ug/L)		--																	--			--		--				
AMEL (ug/L)		--												--					--			--		--				
DAILY MAX					--							--		--					--			--		--				
WEEKLY AVE		--			--					--		--							--			--		--				--
UNITS		ug/L	kg/Day		ug/L	kg/Day		ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day		ug/L	kg/Day		ug/L	kg/Day	ug/L	kg/Day		ug/L	kg/Day
	FLOW																											
1/7/2014	3.85	1.3	0.019		0.410	0.0060		5.3	0.077	78.00	1.137	4.900	0.071	0.4200	0.00612	8.50	0.124		1.40	0.020		1.500	0.022	300	4.372	<	0.90	0.013
2/18/2014	4.28	0.72	0.012		0.150	0.0024		1.8	0.029	31.00	0.502	1.200	0.019	0.0640	0.00104	6.60	0.107	<	0.40	0.006		0.230	0.004	120	1.944	<	0.90	0.015
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
			0.000			0.0000			0.000		0.000		0.000		0.00000		0.000			0.000			0.000		0.000			0.000
Max	4.28	1.300	0.019	J	0.410	0.006	J	5.300	0.077	78.00	1.137	4.900	0.071	0.4200	0.0061	8.500	0.124		1.400	0.020	<	1.500	0.022	300.0	4.372		0.900	0.015
Min	3.85	0.720	0.000	<	0.150	0.000		1.800	0.000	31.00	0.000	J 1.200	0.000	0.0640	0.0000	6.600	0.000		0.400	0.000	<	0.230	0.000	120.0	0.000		0.900	0.000
Ave	4.07	1.010	0.003	J	0.280	0.001		3.550	0.009	54.50	0.137	3.050	0.008	0.2420	0.0006	7.550	0.019		0.900	0.002	<	0.865	0.002	210.0	0.526		0.900	0.002

[1] = No Discharge for the entire month
[2] = Partial discharge month

ND= below MDL
J = value falls below reporting limit & above MDL; Estimated Concentration
MDL values were used on "<" results for calculations
B = analyte detected in the blank associated with the sample

NOVATO SANITARY DISTRICT
SELF MONITORING REPORT

E-002 2014 NOVATO MONTHLY AVERAGE EFFLUENT METALS VALUES

PARAMETER		Arsenic		Cadmium		Chromium		Copper		Lead		Mercury		Nickel		Selenium		Silver		Zinc		Cyanide	
Method:		EPA 200.8		EPA 200.8		EPA 200.8		EPA 200.8		EPA 200.8		EPA 1631		EPA 200.8		EPA 200.8		EPA 200.8		EPA 200.8		SM20-4500C&E	
MDEL								13		8.8		0.066		32								6.6	
AMEL								6.9		3.5		--		21								15	
WEEKLY AVE												0.072											
UNITS		ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day	ug/L	kg/Day
	FLOW																						
1/8/2014	4.05	0.51	0.008	< 0.050	0.0008	J 0.4	0.006	4.00	0.061	J 0.180	0.003	0.0031	0.00005	2.60	0.040	J 0.42	0.006	< 0.020	0.000	29	0.445	< 0.90	0.014
2/19/2014	4.19	J 0.45	0.007	< 0.050	0.0008	0.6	0.010	3.10	0.049	J 0.180	0.003	0.0026	0.00004	4.20	0.067	< 0.40	0.006	< 0.020	0.000	37	0.587	< 0.90	0.014
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
			0.000		0.0000		0.000		0.000		0.000		0.00000		0.000		0.000		0.000		0.000		0.000
Max	4.19	0.510	0.008	0.050	0.001	J 0.600	0.010	4.00	0.06	0.180	0.003	0.0031	0.0000	4.200	0.067	0.420	0.006	< 0.020	0.000	37.0	0.587	0.900	0.014
Min	4.05	0.450	0.000	< 0.050	0.000	0.400	0.000	3.10	0.00	J 0.180	0.000	0.0026	0.0000	2.600	0.000	0.400	0.000	< 0.020	0.000	29.0	0.000	0.900	0.000
Ave	4.12	0.480		0.050	0.000	0.500	0.001	3.55	0.01	0.180	0.000	0.0029	0.0000	3.400	0.009	0.410	0.001	< 0.020	0.000	33.0	0.086	0.900	0.002

[1] = No Discharge for the entire month

[2] = Partial discharge month

ND= below MDL

J = value falls below reporting limit & above MDL; Estimated Concentration

MDL values were used on "<" results for calculations

B = analyte detected in the blank associated with the sample