

Jane F. Anderson, President
Kenneth J. McLaughlin, Vice President
Kathryn Bogart, Director
Robert "Bob" Craig, Director
Betty A. Anderson, Director



May 9, 2011

Mr. Steven Williams, P.E.
California Department of Public Health
1350 Front Street, Room 2050
San Diego, CA 92101

RE: DISTRIBUTION SYSTEM MONTHLY REPORT FOR APRIL 2011

Dear Mr. Williams:

Enclosed are the following pages:

- Monthly Summary of Distribution System Coliform Monitoring
- Sampling Schedule
- 980 Zone Nitrate Blending Record & Nitrate Calculations
- Nitrate 980 Blending Zone Monthly Field Samples
- 980 Pressure Zone Monthly Nitrate Report (Trend)
- Emergency Notification Plan 2011 (Annual Update)
- 980 A & 980 B Copy of E.S. Babcock Lab Sampling Results

During the month of April 2011, the following wells in the 980 Zone were not run into the system: Well Nos. 6, 17 and 18. Well No. 6 is out of service for repairs and rehabilitation. April 2, 2011 through April 4, 2011, the 980 A Trend lost connection with the SCADA due to wiring issues, however the 980 A Analyzer continued to run and follow up lab samples were taken. April 8, 2011, the power was shut off at Well No. 18 for a brief period due to site improvements, which affected the 980 B Analyzer.

A nitrate level of 35 mg/L or below was maintained at the JCSD Blend Points (before the first customers tap) for the month of April 2011.

Please contact me if you need additional information at (951) 685-7434.

Sincerely,

A handwritten signature in purple ink, appearing to read "Steve Jaynes", is written over a horizontal line.

Steve Jaynes
Operations and Water Treatment Supervisor

Copy: Eldon Horst
Robert Tock
Water Quality Department
www.jcsd.us
3401 Admin/NL/dw

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Jurupa Community Services District Distribution System 980 Zone Nitrate Blending Record and Nitrate Calculations

2011 April Day	Well 20 ⁽¹⁾ Lab		Well 25 ⁽¹⁾ Lab		Well 13 ⁽¹⁾ Lab		Well 6 ⁽¹⁾ Lab		Well 17 ⁽¹⁾ Lab		Well 18 ⁽¹⁾ Lab		Well 18 PR - DeForest ⁽¹⁾ Lab		⁽²⁾ 980 A & B	⁽³⁾ 980 A	⁽³⁾ 980 B	⁽³⁾ 980 A	⁽³⁾ 980 B
	Flow	NO ₃	Flow	NO ₃	Flow	NO ₃	Flow	NO ₃	Flow	NO ₃	Flow	NO ₃	Flow	NO ₃	Calculated	Analyzer	Analyzer	⁽¹⁾ Lab	⁽¹⁾ Lab
	(gpm)	(mg/L)	(gpm)	(mg/L)	(gpm)	(mg/L)	(gpm)	(mg/L)	(gpm)	(mg/L)	(gpm)	(mg/L)	(gpm)	(mg/L)	Weighted Average NO ₃ Conc. (mg/L)	NO ₃ (mg/L)	NO ₃ (mg/L)	NO ₃ (mg/L)	NO ₃ (mg/L)
1	0	23	3115	25	2633	33	0	33	0	46	0	40	2976	13	23				
2	0	23	3035	25	2649	33	0	33	0	46	0	40	3010	13	23				
3	0	23	3157	25	2698	33	0	33	0	46	0	40	0	13	29				
4	0	23	3125	25	2707	33	0	33	0	46	0	40	0	<u>9</u>	29	29	28	<u>27</u>	<u>26</u>
5	0	23	3130	25	2620	33	0	33	0	46	0	40	0	9	29				
6	0	23	3110	25	0	33	0	33	0	46	0	40	2967	9	17	29	11	<u>29</u>	<u>11</u>
7	0	23	3152	25	2602	33	0	33	0	46	0	40	0	9	29				
8	0	23	3140	25	2612	33	0	33	0	46	0	40	2983	9	22				
9	998	23	3145	25	2721	33	0	33	0	46	0	40	3009	9	22				
10	985	23	3119	25	0	33	0	33	0	46	0	40	3014	9	18				
11	1000	23	3118	25	0	33	0	33	0	46	0	40	2941	9	18				
12	981	<u>22</u>	3076	<u>27</u>	2699	<u>29</u>	0	33	0	46	0	40	0	9	27	30	29	<u>27</u>	<u>27</u>
13	986	22	3100	27	2624	29	0	33	0	46	0	40	3022	9	21				
14	976	22	3133	27	2681	29	0	33	0	46	0	40	3001	9	22				
15	990	22	3083	27	2660	29	0	33	0	46	0	40	0	9	27				
16	986	22	3086	27	2645	29	0	33	0	46	0	40	0	9	27				
17	991	22	3130	27	0	29	0	33	0	46	0	40	3011	9	19				
18	978	22	3055	27	2705	29	0	33	0	46	0	40	3042	9	21				
19	980	22	3120	27	2726	29	0	33	0	46	0	40	0	9	27	30	29	<u>27</u>	<u>27</u>
20	968	22	3113	27	2631	29	0	33	0	46	0	40	0	9	27				
21	983	22	3107	27	2689	29	0	33	0	46	0	40	0	9	27				
22	980	22	3153	27	2630	29	0	33	0	46	0	40	3018	9	21				
23	969	22	3083	27	2718	29	0	33	0	46	0	40	0	9	27				
24	977	22	3089	27	2665	29	0	33	0	46	0	40	0	9	27				
25	983	22	3100	27	2648	29	0	33	0	46	0	40	0	9	27				
26	968	22	3109	27	2670	29	0	33	0	46	0	40	0	9	27	30	30	<u>27</u>	<u>27</u>
27	981	22	3101	27	2766	29	0	33	0	<u>49</u>	0	<u>48</u>	0	9	27				
28	980	22	3095	27	2630	29	0	33	0	49	0	48	0	9	27				
29	983	22	3121	27	2600	29	0	33	0	49	0	48	0	9	27				
30	980	22	3102	27	2700	29	0	33	0	49	0	48	0	9	27				
Min		22		25		29		33		46		40		9	17	29	11	27	11
Avg.		22		26		30		33		46		41		9	25	30	25	27	24
Max		23		27		33		33		49		48		13	29	30	30	29	27

⁽¹⁾**Bold Underlined numbers are actual Lab results, all other cell numbers are for flow weighted calculations.**

⁽²⁾**Blending potential of operating wells.**

⁽³⁾**System also influenced by stored water from reservoirs.**