jurupa
Community Services District

November 9, 2010

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 OCTOBER 2010

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)
- Coliform Monitoring Worksheet
- 980 A & 980 B Copy of E.S. Babcock Lab Sampling Results

During the month of October 2010, the following wells in the 980 Zone were not run into the system: Well Nos. 6, 17, 18 and 20. Well No. 20 is out of service for repairs and rehabilitation. Also, during this time period the Well 18 PR transferred water from the 1110 Zone to the 980 Zone. On October 7, 2010, the 980 A field analyzer probe was replaced and calibrated. No calibration was needed for the 980 B field analyzer.

The nitrate level of 35 mg/L or below is being met at the JCSD Blend Points (before the first customers tap) for the month of October 2010.

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

Sincerely,

Steve Jaynes
Operations & Water Treatment Supervisor

Copy: Eldon Horst
Robert Tock
Water Quality Department
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# Jurupa Community Services District

## Distribution System

### 980 Zone Nitrate Blending Record and Nitrate Calculations

| 2010 October | Well 20 | | Well 25 | | Well 13 | | Well 6 | | Well 17 | | Well 18 | | Well 18 PR - DeForest | | **980 A & B | ***980 A | ***980 B | ***980 A | ***980 B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *Lab | | *Lab | | *Lab | | *Lab | | *Lab | | *Lab | | *Lab | Calculated Weighted Average $NO_3$ Conc. | Analyzer | Analyzer | *Lab | *Lab |
| Day | Flow (gpm) | $NO_3$ (mg/L) | Flow (gpm) | $NO_3$ (mg/L) | Flow (gpm) | $NO_3$ (mg/L) | Flow (gpm) | $NO_3$ (mg/L) | Flow (gpm) | $NO_3$ (mg/L) | Flow (gpm) | $NO_3$ (mg/L) | Flow (gpm) | $NO_3$ (mg/L) | (mg/L) | $NO_3$ (mg/L) | $NO_3$ (mg/L) | $NO_3$ (mg/L) | *Lab $NO_3$ (mg/L) |
| 1 | 0 | 22 | 3115 | 29 | 2550 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 24 | 31 | | | | |
| 2 | 0 | 22 | 3120 | 29 | 2610 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 24 | 31 | | | | |
| 3 | 0 | 22 | 3142 | 29 | 2526 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 24 | 31 | | | | |
| 4 | 0 | 22 | 3114 | 29 | 2544 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 24 | 31 | | | | |
| 5 | 0 | 22 | 3105 | 29 | 2600 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | **17** | 31 | 29 | 30 | **28** | **28** |
| 6 | 0 | 22 | 3116 | 29 | 2630 | **34** | 0 | 33 | 0 | 46 | 0 | 40 | 985 | 17 | 29 | 29 | 27 | **31** | **26** |
| 7 | 0 | 22 | 3127 | 29 | 0 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 985 | 17 | 26 | 27 | 26 | **28** | **27** |
| 8 | 0 | 22 | 3107 | 29 | 2532 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 976 | 17 | 29 | | | | |
| 9 | 0 | 22 | 3120 | 29 | 2528 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 985 | 17 | 29 | | | | |
| 10 | 0 | 22 | 3096 | 29 | 2630 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 990 | 17 | 29 | | | | |
| 11 | 0 | 22 | 3102 | 29 | 2555 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 995 | 17 | 29 | | | | |
| 12 | 0 | 22 | 3104 | 29 | 2579 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 999 | 17 | 29 | | | | |
| 13 | 0 | 22 | 3105 | 29 | 2625 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 985 | 17 | 29 | | | | |
| 14 | 0 | 22 | 3101 | **25** | 2589 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 17 | 29 | 29 | 30 | **27** | **27** |
| 15 | 0 | 22 | 3123 | 25 | 2521 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 17 | 29 | | | | |
| 16 | 0 | 22 | 3119 | 25 | 2570 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 17 | 29 | | | | |
| 17 | 0 | 22 | 3122 | 25 | 2560 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 17 | 29 | | | | |
| 18 | 0 | 22 | 3022 | 25 | 2555 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1010 | 17 | 27 | | | | |
| 19 | 0 | 22 | 3118 | 25 | 2643 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 0 | 17 | 29 | 28 | 27 | **26** | **24** |
| 20 | 0 | 22 | 3073 | 25 | 2493 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1002 | 17 | 27 | | | | |
| 21 | 0 | 22 | 3118 | 25 | 0 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 975 | 17 | 23 | | | | |
| 22 | 0 | 22 | 3141 | 25 | 2500 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 978 | 17 | 27 | | | | |
| 23 | 0 | 22 | 3098 | 25 | 0 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1000 | 17 | 23 | | | | |
| 24 | 0 | 22 | 3071 | 25 | 0 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1000 | 17 | 23 | | | | |
| 25 | 0 | 22 | 3112 | 25 | 1828 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1000 | 17 | 26 | 26 | 26 | **29** | **28** |
| 26 | 0 | 22 | 3109 | 25 | 0 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 985 | 17 | 23 | 26 | 27 | **28** | **28** |
| 27 | 0 | 22 | 3123 | 25 | 3312 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1000 | 17 | 28 | 26 | 26 | **29** | **27** |
| 28 | 0 | 22 | 3121 | 25 | 2600 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1000 | 17 | 27 | 26 | 26 | **25** | **23** |
| 29 | 0 | 22 | 3157 | 25 | 2640 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 985 | 17 | 27 | 27 | 27 | **25** | **25** |
| 30 | 0 | 22 | 3120 | 25 | 2493 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1003 | 17 | 27 | | | | |
| 31 | 0 | 22 | 3111 | 25 | 2664 | 34 | 0 | 33 | 0 | 46 | 0 | 40 | 1008 | 17 | 27 | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Min | | 22 | | 25 | | 34 | | 33 | | 46 | | 40 | | 17 | 23 | 26 | 26 | 25 | 23 |
| Avg. | | 22 | | 27 | | 34 | | 33 | | 46 | | 40 | | 18 | 28 | 27 | 27 | 28 | 26 |
| Max | | 22 | | 29 | | 34 | | 33 | | 46 | | 40 | | 24 | 31 | 29 | 30 | 31 | 28 |

***Bold Underlined numbers are actual Lab results, all other cell numbers are for flow weighted calculations.**
****Blending potential of operating wells.**
*****System also influenced by stored water from reservoirs.**