Jurupa
Community Services District

August 10, 2017

Mr. Steven Williams, P.E.
State Water Resources Control Board
Division of Drinking Water
1350 Front Street, Room 2050
San Diego, CA 92101

RE: 3310021-Jurupa Community SD-2017July-980BP

Dear Mr. Williams:

Enclosed are the following pages:

- 980 Zone Nitrate Blending Record & Nitrate Calculations
- Nitrate 980 Blending Zone Monthly Field Samples
- 980 Pressure Zone Monthly Nitrate Trend Report
- 980 A & 980 B Calibration Reports
- Copy of E.S. Babcock Lab Sampling Results

On July 18, 2017, the 980 A and 980 B nitrate analyzers were maintained and calibrated.

A nitrate level below 8.0 mg/L as N (36 mg/L as $NO_3$) was maintained at the 980 Blend Point (before the first customers tap) for the month of July.

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

Sincerely,

Bryan Smith
Water Systems Supervisor

Copy: DDWRiverside@waterboards.ca.gov
Todd M. Corbin
Robert Tock
Water Quality Department
Denise Waldie
3401 Admin/NL/dw

# Jurupa Community Services District

## Distribution System

## 980 Zone Nitrate Blending Record and Nitrate Calculations

| 2017 July | Well 20 [1]Lab | | Well 25 [1]Lab | | Well 13 [1]Lab | | Well 6 [1]Lab | | Prod 17/18 IXTP [1]Lab | | Well 18 PR [1]Lab | | [2]980 A & B Calculated Weighted Average N Conc. | [3]980 A Analyzer | [3]980 B Analyzer | [3]980 A [1]Lab | [3]980 B [1]Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | Flow (gpm) | N (mg/L) | Flow (gpm) | N (mg/L) | Flow (gpm) | N (mg/L) | Flow (gpm) | N (mg/L) | Flow (gpm) | N (mg/L) | Flow (gpm) | N (mg/L) | (mg/L) | N (mg/L) | N (mg/L) | N (mg/L) | N (mg/L) |
| 1 | | 8.2 | | 7.3 | | 2.8 | | 7.3 | | 5.8 | 1986 | 3.4 | 3.4 | | | | |
| 2 | | 8.2 | 3314 | 7.3 | | 2.8 | | 7.3 | | 5.8 | 1980 | 3.4 | 5.8 | | | | |
| 3 | | 8.2 | 3345 | 7.3 | | 2.8 | | 7.3 | 2981 | 5.8 | 2017 | 3.4 | 5.8 | | | | |
| 4 | | 8.2 | 3373 | 7.3 | | 2.8 | | 7.3 | | 5.8 | 2048 | 3.4 | 5.8 | | | | |
| **5** | | 8.2 | 3381 | **7.2** | | 2.8 | | 7.3 | | 5.8 | 1584 | **4.9** | 6.5 | 7.3 | 6.4 | **7.3** | **6.2** |
| **6** | | 8.2 | 3390 | 7.2 | | **2.1** | | 7.3 | 2996 | 5.8 | 1521 | 4.9 | 6.2 | | | | |
| 7 | | 8.2 | 3391 | 7.2 | | 2.1 | | 7.3 | 2947 | 5.8 | 1511 | 4.9 | 6.2 | | | | |
| 8 | | 8.2 | 3402 | 7.2 | | 2.1 | | 7.3 | | 5.8 | 1530 | 4.9 | 6.5 | | | | |
| 9 | | 8.2 | 3392 | 7.2 | | 2.1 | | 7.3 | 2965 | 5.8 | 1549 | 4.9 | 6.2 | | | | |
| 10 | | 8.2 | 3117 | 7.2 | | 2.1 | | 7.3 | 3182 | 5.8 | 1502 | 4.9 | 6.2 | | | | |
| **11** | | 8.2 | | 7.2 | | 2.1 | | 7.3 | 3175 | **6.1** | | 4.9 | 6.1 | 5.9 | 6.2 | **6.0** | **6.1** |
| 12 | | 8.2 | 3321 | 7.2 | | 2.1 | | 7.3 | 3163 | 6.1 | | 4.9 | 6.7 | | | | |
| 13 | | 8.2 | | 7.2 | | 2.1 | | 7.3 | 3180 | 6.1 | | 4.9 | 6.1 | | | | |
| 14 | | 8.2 | 3346 | 7.2 | | 2.1 | | 7.3 | 3186 | 6.1 | | 4.9 | 6.7 | | | | |
| 15 | | 8.2 | 3306 | 7.2 | | 2.1 | | 7.3 | 3173 | 6.1 | | 4.9 | 6.7 | | | | |
| 16 | | 8.2 | | 7.2 | | 2.1 | | 7.3 | 3173 | 6.1 | 1533 | 4.9 | 5.7 | | | | |
| **17** | | 8.2 | 3336 | 7.2 | | 2.1 | | 7.3 | 3179 | **6.6** | 1548 | 4.9 | 6.5 | | | | |
| **18** | | 8.2 | 3117 | 7.2 | | 2.1 | | 7.3 | 3178 | 6.6 | | 4.9 | 6.9 | 7.1 | 6.2 | **6.8** | **6.0** |
| **19** | | 8.2 | 3294 | 7.2 | 2827 | **7.1** | | 7.3 | 3146 | 6.6 | | 4.9 | 7.0 | | | | |
| 20 | | 8.2 | 3622 | 7.2 | | 7.1 | | 7.3 | 3171 | 6.6 | | 4.9 | 6.9 | | | | |
| 21 | | 8.2 | 2936 | 7.2 | | 7.1 | | 7.3 | 3169 | 6.6 | | 4.9 | 6.9 | | | | |
| 22 | | 8.2 | | 7.2 | | 7.1 | | 7.3 | 2614 | 6.6 | 1540 | 4.9 | 6.0 | | | | |
| 23 | | 8.2 | 3316 | 7.2 | | 7.1 | | 7.3 | 3670 | 6.6 | 1554 | 4.9 | 6.5 | | | | |
| **24** | | 8.2 | | 7.2 | | 7.1 | | 7.3 | 3129 | **5.5** | 1513 | 4.9 | 5.3 | | | | |
| **25** | | 8.2 | | 7.2 | | 7.1 | | **7.1** | 3141 | 5.5 | | 4.9 | 5.5 | 5.9 | 6.2 | **5.7** | **5.7** |
| 26 | | 8.2 | 3345 | 7.2 | 2800 | 7.1 | | 7.1 | 2918 | 5.5 | 1572 | 4.9 | 6.4 | | | | |
| 27 | | 8.2 | 3370 | 7.2 | 3508 | 7.1 | | 7.1 | 2935 | 5.5 | 1611 | 4.9 | 6.4 | | | | |
| 28 | | 8.2 | 3339 | 7.2 | 3060 | 7.1 | | 7.1 | 2976 | 5.5 | | 4.9 | 6.6 | | | | |
| 29 | | 8.2 | 3370 | 7.2 | 3063 | 7.1 | | 7.1 | 2805 | 5.5 | | 4.9 | 6.7 | | | | |
| 30 | | 8.2 | 3372 | 7.2 | | 7.1 | | 7.1 | 3016 | 5.5 | | 4.9 | 6.4 | | | | |
| 31 | | 8.2 | 3375 | 7.2 | | 7.1 | | 7.1 | 2770 | 5.5 | | 4.9 | 6.4 | | | | |
| Min | 0 | 8.2 | 2936 | 7.3 | 2800 | 2.1 | 0 | 7.1 | 2614 | 5.5 | 1502 | 3.4 | 3.4 | 5.9 | 6.2 | 5.7 | 5.7 |
| Avg. | 0 | 8.2 | 3328 | 7.3 | 3052 | 4.3 | 0 | 7.3 | 3075 | 6.0 | 1653 | 4.7 | 6.2 | 6.6 | 6.3 | 6.5 | 6.0 |
| Max | 0 | 8.2 | 3622 | 7.3 | 3508 | 7.1 | 0 | 7.3 | 3670 | 6.6 | 2048 | 4.9 | 7.0 | 7.3 | 6.4 | 7.3 | 6.2 |

[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.