

## CRESTLINE-LAKE ARROWHEAD WATER AGENCY WATER QUALITY DATA 2014

| <b>TEST RESULTS</b>   |                        |                          |       |         |      |   |
|---|------------------------|--------------------------|-------|---------|------|---|
| Contaminant   | Average Level Detected | Range Of Levels Detected | Units | MCL     | PHG  | Major Sources in Drinking Water   |
| <b>PRIMARY STANDARDS</b>  |                        |                          |       |         |      |   |
| Turbidity   | 23                     | 0-1                      | TT    | 5       | N/A  | Soil runoff   |
| The TT requirement is: at least 95% of samples must be less than 0.3 NTU. * |                        |                          |       |         |      |   |
| Total Trihalomethanes**   | 56**                   | 18.9-87                  | uG/l  | 80      | N/A  | By-product of drinking water disinfection   |
| Haloacetic Acids**  | 8**                    | 2.7-9.6                  | uG/l  | 60      | N/A  | Byproduct of drinking water disinfection  |
| <b>Inorganic Chemicals</b>  |                        |                          |       |         |      |   |
| Arsenic   | .39                    | 0-2.2                    | ug/l  | 10      | .004 | Erosion of natural deposits; runoff from orchards, glass and electronics production wastes  |
| Fluoride (naturally occurring)  | .16                    | 0-.32                    | mg/l  | 2       | 1    | Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories                        |
| Nitrate (as NO3)  | 1.85                   | 0-3.4                    | ug/l  | 45      | 45   | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits                                     |
| <b>SECONDARY STANDARDS</b>  |                        |                          |       |         |      |   |
| Chloride  | 98.13                  | 84-120                   | mg/l  | 500     | N/A  | Runoff/leaching from natural deposits; seawater influence   |
| Sulfate   | 72.25                  | 58-85                    | mg/l  | 500     | N/A  | Runoff/leaching from natural deposits; industrial wastes  |
| Total Dissolved Solids (TDS)  | 360.63                 | 340-380                  | mg/l  | 1000    | N/A  | Erosion of natural deposits   |
| <b>OTHER CONSTITUENTS</b>   |                        |                          |       |         |      |   |
| Sodium  | 85.38                  | 77-96                    | mg/l  | N/A     | N/A  | "Sodium" refers to the salt present in the water and is generally naturally occurring   |
| Total Hardness  | 103.69                 | 99-120                   | mg/l  | N/A     | N/A  | "Hardness" is the sum of polyvalent cations present in the water, generally magnesium and calcium. The cations are usually naturally occurring. |
| Iron  | 7.5                    | 0-120                    | ug/l  | 300     | N/A  | Leaching from natural deposits; industrial wastes   |
| Odor - Threshold  | 1.06                   | 1-2                      | TON   | 3       | N/A  | Naturally- occurring organic materials  |
| <b>Unregulated Contaminants</b>   |                        |                          |       |         |      |   |
| Boron   | 189.38                 | 150-270                  | uG/l  | 1,000   | N/A  | Erosion of natural deposits   |
| Vanadium  | 3.62                   | 0-7.8                    | uG/l  | 50      | N/A  | Erosion of natural deposits   |
| pH  | 7.94                   | 7.7-8.2                  | Unit  | 6.5-8.5 | N/A  |   |

\*Turbidity is monitored continuously because it is a good indicator of the effectiveness of our treatment system. Turbidity measures the cloudiness of water. The Agency uses a conventional treatment process to reduce turbidity.

\*\*Total Trihalomethanes and Haloacetic Acids are reported as the Highest Locational Running Annual Average.

# *Arrowhead Villas Mutual Service Company*

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## Consumer Confidence Report 2014

| Chemical or Contaminant | Violation Yes/No | Average Level Detected | Range of Levels Detected | MCL | PHG (MCLG) | Typical Source of Contaminant |
|-------------------------|------------------|------------------------|--------------------------|-----|------------|-------------------------------|
|-------------------------|------------------|------------------------|--------------------------|-----|------------|-------------------------------|

### PRIMARY STANDARDS

|                              |    |      |         |     |     |                            |
|------------------------------|----|------|---------|-----|-----|----------------------------|
| Turbidity (TT)               | NO | 0.1  | .1 - .3 | 0.3 | N/A | Soil Runoff                |
| Total Trihalomethanes (uG/l) | NO | 12.3 | 0-21    | 80  | NS  | By-product of disinfection |
| Haloacetic Acids (uG/l)      | NO | 2.1  | 0-4.5   | 60  | NS  | By-product of disinfection |

### SECONDARY STANDARDS

|                              |    |     |           |      |    |  |
|------------------------------|----|-----|-----------|------|----|--|
| Chloride (mg/l)              | NO | 19  | 14 - 24   | 500  | NS | Runoff: leaching from natural deposits |
| Sulfate (mg/l)               | NO | 8.5 | 7.6 - 9.4 | 500  | NS | Runoff: leaching from natural deposits |
| Total Dissolved Solids (TDS) | NO | 195 | 180 - 210 | 1000 | NS | Runoff: leaching from natural deposits |

### INORGANIC CHEMICALS

|                                      |    |     |           |    |     |   |
|--------------------------------------|----|-----|-----------|----|-----|---|
| Aluminum (mg/l)                      | NO | ND  | 0         | 1  | 0.6 | Erosion of natural deposits: residue from surface water treatment processes                                 |
| Nitrate (as NO <sub>3</sub> ) (mg/l) | NO | 4.6 | 2.3 - 6.9 | 45 | 45  | Runoff and leaching from fertilizer use: leaching from septic tanks and sewage: erosion of natural deposits |

| Chemical or Contaminant | Violation Yes/No | Average Level Detected | Range of Levels Detected | MCL | PHG (MCLG) | Typical Source of Contaminant |
|-------------------------|------------------|------------------------|--------------------------|-----|------------|-------------------------------|
|-------------------------|------------------|------------------------|--------------------------|-----|------------|-------------------------------|

RADIOACTIVE CONTAMINANTS

|                     |    |      |         |    |      |                             |
|---------------------|----|------|---------|----|------|-----------------------------|
| Uranium (pCi/l)     | NO | 16   | 13 - 32 | 20 | 0.43 | Erosion of natural deposits |
| Gross Alpha (pCi/l) | NO | 12.8 | 10-19   | 15 | 0.05 | Erosion of natural deposits |

OTHER CONSTITUENTS

|                       |    |      |           |    |    |                             |
|-----------------------|----|------|-----------|----|----|-----------------------------|
| Sodium (mg/l)         | NO | 9.35 | 9.1 - 9.6 | NS | NS | Erosion of natural deposits |
| Total Hardness (mg/l) | NO | 125  | 110 - 140 | NS | NS | Erosion of natural deposits |

| Chemical or Contaminant | Required Sampling Frequency | Number of Samples Taken | When all samples should have been taken | When samples were or will be taken |
|-------------------------|-----------------------------|-------------------------|---|------------------------------------|
|-------------------------|-----------------------------|-------------------------|---|------------------------------------|

|             |                          |      |          |          |
|-------------|--------------------------|------|----------|----------|
| LEAD/COPPER | 20 samples every 3 years | None | 7/1/2014 | 7/1/2015 |
|-------------|--------------------------|------|----------|----------|