

# Water Quality Report

## Abbreviations:

|      |                                |     |                   |                            |
|------|--------------------------------|-----|-------------------|----------------------------|
| MCL  | Maximum Contaminant Level      | ND  | Not Detected      | 1.0 mg/l = 1.0 ppm         |
| MCLG | Maximum Contaminant Level Goal | NA  | Not Applicable    | 0.001 mg/l = 1.0 ppb       |
| ppb  | Parts Per Billion              | ppm | Parts Per Million | mg/l = Milligram Per Liter |

| Primary Drinking Water Standards - Mandatory Health-Related Levels Established by EPA and ADEQ |  |       |          |      |  |                                      |
|--|--|-------|----------|------|--|--------------------------------------|
| Parameter  | Date   | Unit  | MCL      | MCLG | Highest Level  | Range                                |
| <b>Lead &amp; Copper</b>   |  |       |          |      | Highest Detected Level   |                                      |
| Lead Results - Homes   | 2004   | ppm   | 0.015    | 0    | <0.005   | <0.005                               |
| Copper Results - Homes   | 2004   | ppm   | 1.3      | 1.3  | 0.13   | <0.01 - 0.13                         |
| <b>RadioChemical Monitoring</b>  |  |       |          |      | Highest Average  |                                      |
| Gross Alpha  | 2003   | pCi/l | 15       | 0    | 2.3 +/-0.7   | 1.5 - 2.3 +/- 0.7                    |
| Combined Radium  | 2003   | pCi/l | 5        | 0    | NA   | NA                                   |
| <b>Regulated Inorganic Compounds</b>   |  |       |          |      | Highest Detected Level   |                                      |
| Arsenic  | 2005   | ppb   | 50       | NA   | 44   | 2 - 44                               |
| Barium   | 2003   | ppm   | 2        | 2    | < 0.01   | < 0.01                               |
| Chromium   | 2003   | ppm   | 0.1      | 0.1  | 0.006  | 0.005 - 0.006                        |
| Fluoride   | 2003   | ppm   | 4        | 4    | 0.4  | 0.3 - 0.4                            |
| Nitrate (as N)   | 2005   | ppm   | 10       | 10   | 3.1  | 1.1 - 3.1                            |
| Nitrite  | 2005   | ppm   | 1        | 1    | <0.1   | <0.1                                 |
| <b>Regulated Organic Compounds</b>   |  |       |          |      | Highest Detected Level   |                                      |
| Di(2-ethylhexyl) Phthalate   | 2003   | ppm   | 0.006    | 0    | <0.0006  | <0.0006                              |
| Tetrachloroethylene  | 2003   | ppm   | 0.005    | 0    | <0.0005  | <0.0005                              |
| Toluene  | 2003   | ppm   | 1        | 1    | <0.0005  | <0.0005                              |
| Styrene  | 2003   | ppm   | 0.1      | 0.1  | <0.0005  | <0.0005                              |
| Trans-1,2-Dichloroethylene   | 2003   | ppm   | 0.1      | 0.1  | <0.0005  | <0.0005                              |
| Trichloroethylene  | 2003   | ppm   | 0.005    | 0    | <0.0005  | <0.0005                              |
| Vinyl Chloride   | 2003   | ppm   | 0.002    | 0    | <0.0005  | <0.0005                              |
| 1,2,4-Trichlorobenzene   | 2003   | ppm   | 0.07     | 0.07 | <0.0005  | <0.0005                              |
| Dichloromethane  | 2003   | ppm   | 0.005    | 0    | <0.0005  | <0.0005                              |
| Xylenes, Total   | 2003   | ppm   | 10       | 10   | 0.0015   | <0.0005 - 0.0015                     |
| <b>Disinfection Byproduct Monitoring</b>   |  |       |          |      | Highest Average  |                                      |
| Total Trihalomethane (TTHM)  | 2005   | ppb   | 80       | 0    | ND   | ND                                   |
| Haloacetic Acids (HAA5)  | 2005   | ppb   | 60       | NA   | ND   | ND                                   |
| <b>Biological Monitoring</b>   |  |       |          |      | Entire Distribution System   | Likely Source in Drinking Water      |
| Total Coliform - tested monthly  | Presence in no more than 5% of monthly samples |       | MCL<br>0 | MCLG | Highest monthly percentage of positive Total Coliform samples: 1 in 42, i.e., 2.4% | Naturally present in the environment |

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# CITY OF PRESCOTT PWS 13-045 2006 AMENDED ANNUAL DRINKING WATER QUALITY REPORT (FOR CALENDAR YEAR 2005)

**This amendment to the previous report issued June 29, 2006, provides supplementary information and updated test data.**

## **Additional Health Information—Arsenic**

While your drinking water meets EPA's standards for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer.

Additional information is available from the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).