

# Water Quality Program Update

July 22, 2008

At the Board of Directors meeting on July 22, 2008 Mesa's Water Quality Coordinator provided an update on our water quality program. The following slides provide the summary of the presentation. For more information on Mesa's water quality, look at our 2008 Annual Water Quality Report.



# Overview of Presentation

- Water Quality Program Summary FY08
- 2008 Consumer Confidence Report (CCR)
- Initial Distribution System Evaluation (IDSE)
- Lead and Copper Rule (LCR)
- NDMA Update
- 1,4 Dioxane Update

# FY08 Program Summary

- Distribution System Sampling:
  - 1300 bacteriological
  - 300 general physical
  - 128 disinfection byproduct
  - 853 chlorine/pH/temperature “spot checks”
  - 385 dead-end line flushes
- 283 reservoir samples
- 800 well samples
- 451 treatment facility samples
- 232 water quality phone calls; 29 investigations

# 2008 Consumer Confidence Report

- Mailed June 8, 2008
- Certification mailed to State in July
- Additions to 2008 Report:
  - Added gross alpha and iron to Mesa tables
  - Added arsenic , barium, and perchlorate to MWD tables

# Initial Distribution System Evaluation

- Required by Stage 2 Disinfection/Disinfection Byproducts Rule (D/DBP2)
- First round of sampling began October 3, 2007
  - 16 sampling locations
  - Every 2 months for 1 year
- Final sampling scheduled for August 6, 2008
- Written report and recommendations due by January 1, 2009

# Lead and Copper Rule Sampling

- System currently considered “optimized”
- Sampling required every 3 years
- 50 samples required & collected
- Results mailed to individual participants
- Sites significantly higher than previous years were contacted
- No AL violation (90<sup>th</sup> percentile)
- 2 sites above AL

# NDMA

- Detected at wells 3b, 5, 7 and 9
- Notification Level (NL) = 10 ppt
- Results well below level at which Department of Public Health considers removal from service (300 ppt)
- Treated with ultraviolet light at well 5
- Levels declining

# 1,4 Dioxane

- First detected in 2002 at wells 3b, 5, 7 and 9
- Notification Level = 3 ppb
- Results well below level at which Department of Public Health considers removal from service (300 ppb)
- Decreasing at wells 5 and 7
- Increasing at wells 3b and 9