



## COLORADO

Department of Public  
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

January 27, 2016

RACHEL BARKWORTH  
MEADOW MTN WATER SUPPLY - PWSID CO0207504  
PO BOX 354  
ALLENSPARK CO 80510

### Requirements Change Notice Lead Action Level Exceedance

RACHEL BARKWORTH:

According to the Colorado Department of Public Health and Environment ("Department") records, MEADOW MTN WATER SUPPLY ("Supplier") submitted lead test results. The following 90<sup>th</sup> percentiles were calculated from the test results:

- Lead 90<sup>th</sup> Percentile: 0.023 mg/L (Sample Size = 5)
- Copper 90<sup>th</sup> Percentile: 0.3 mg/L (Sample Size = 5)

The Supplier has exceeded the lead Action Level. The Supplier is not in violation, but is required per Section 11.26 of the Colorado Primary Drinking Water Regulations ("Regulation 11"), 5 CCR 1002-11, to perform the following:

- Public Education Activities:
  - The Supplier must provide the individual lead tap water monitoring results to the consumers at the sample sites from which samples were collected within 30 days of being notified of the results.
  - The Supplier must deliver public education printed materials to all bill paying customers. If the Supplier chooses to develop their own public education materials, the Supplier must obtain Department approval prior to distribution of the materials. Additional facilities, "good faith" efforts and press releases are required. Please see the Certification of Delivery Form for a summary of all required public education activities (located at <https://www.colorado.gov/cdphe/lcr>). Templates for email announcements, web site announcements, public service announcements, and press release announcements can be found on the EPA's lead and copper website (link to website located at <https://www.colorado.gov/cdphe/lcr>). The deadline to complete public education materials delivery is February 29, 2016.
  - The Supplier must begin including the following informational statement on or in each water bill, at least quarterly. The statement must be included as long as the Supplier exceeds the lead Action Level:



### IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER

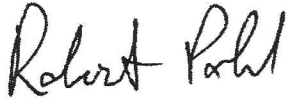
[Water System Name] found high levels of lead in drinking water in some homes. Lead can cause serious health problems. For more information, please call [name] at [phone number] or visit [web site].

- **Standard Lead and Copper Tap Sampling:** The Supplier is required to collect 5 samples every six months for lead and copper. The next collection period will be January 1, 2016 to June 30, 2016.
- **Water Quality Parameters:** The Supplier must collect 1 sample(s) in the distribution system for water quality parameters (WQP) twice (on different days). The Supplier must also collect samples at each entry point to the distribution system twice (on different days). The deadline to collect samples is February 29, 2016. The WQP to be measured are:
  - pH (field test within 15 minutes of collection)
  - Water temperature (field test within 15 minutes of collection)
  - Alkalinity
  - Calcium as CaCO<sub>3</sub>
  - Conductivity or Total Dissolved Solids
  - Silica (only if an inhibitor containing silica is used)
  - Orthophosphate (only if an inhibitor containing phosphate is used)
- **Corrosion Control Treatment Proposal:** The Supplier is required to submit a corrosion control treatment proposal to the Department on or before June 30, 2016. In determining the appropriate proposal, the Supplier has the following options:
  - **Option 1 - Corrosion Control Treatment Recommendation (Full-Scale Treatment Change):** The Supplier may choose to evaluate currently available water quality data to determine the treatment recommendation. If chosen, the Supplier should use the Revised Guidance Manual for Selecting Lead and Copper Control Strategies (EPA-816-R-03-001, March 2003) to determine the treatment recommendation. This document is available at <https://www.colorado.gov/cdphe/lcr>. Recommendations are not required to be completed by a Professional Engineer, but should follow design review guidelines. Recommendations should be submitted to the Engineering Section. Approval is required prior to making water treatment facility changes. For more information please visit <http://wqcdcompliance.com/eng>.
  - **Option 2 - Corrosion Control Treatment Study (pipe rig/loop test, metal coupon test, partial-system test, or similar system analyses):** The Supplier may choose to conduct a corrosion control treatment study as detailed in Section 11.26(3)(c)(iii) of Regulation 11. If chosen, the Supplier must submit the corrosion control study scope and schedule for Department approval. The study must evaluate all of the following treatment options: pH and alkalinity adjustment, calcium hardness adjustment, and phosphate or silicate corrosion inhibitor addition.
- **Lead and Copper Entry Point Water Sampling:** The Supplier is required to collect one set of lead and copper water samples at each entry point to the distribution system. The Supplier must submit a source water treatment recommendation (SOWT), providing

justification if source water treatment is necessary or not. The source water sampling and SOWT must be submitted on or before June 30, 2016.

Failure to comply with these requirements may result in violations requiring public notification. General compliance information may be found at <http://wqcdcompliance.com>. If there are any questions regarding the contents of this letter and/or requirements for the Supplier, please contact Robert Pohl at 303.692.3254 or [robert.pohl@state.co.us](mailto:robert.pohl@state.co.us).

Sincerely,

A handwritten signature in black ink that reads "Robert Pohl". The signature is written in a cursive, slightly slanted style.

Robert Pohl  
Staff Compliance Specialist  
Drinking Water Compliance Assurance Section - Water Quality Control Division

File: CO0207504, BOULDER COUNTY, Community - Surface Water