



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

Notification provided via E-mail

December 22, 2022

Hilda Penhallurick; hildecpa@comcast.net
La Mesa Water CO-OP,
PO Box 53
Placitas, NM 87043

RE: 2022 Sanitary Survey Report

Dear Hilda Penhallurick:

On November 22, 2022 the New Mexico Environment Department Drinking Water Bureau (DWB) conducted a sanitary survey site visit at the La Mesa Water CO-OP water system.

The La Mesa Water CO-OP water system must submit a written Corrective Action Plan (CAP) to DWB within 30 days of the sanitary survey cover letter date and take corrective action for any significant deficiencies found during the sanitary survey no later than 120 days after the sanitary survey cover letter date or be in compliance with a DWB-approved schedule and plan for correcting these deficiencies [NMAC 20.7.10.100 incorporating 40 CFR §141.403(a)(4) and §141.403(a)(5)(i)-(ii)]. For your convenience, a CAP form is included at the end of the sanitary survey report. Enter the date of completion or expected completion next to each deficiency listed. Sign and date the form prior to submittal.

Failure to correct and provide documentation of significant deficiency corrections within the established time frames, will result in treatment technique violation(s) being issued to La Mesa Water CO-OP water system.

NMED DWB appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's drinking water. If you or members of your staff have any questions or need additional clarification concerning this report, please feel free to contact me at 505-469-1323 or by e-mail at [mail to: frank.baca@env.nm.gov](mailto:frank.baca@env.nm.gov).

Respectfully,

Frank Baca

Frank Baca, Compliance Officer
Drinking Water Bureau
Water Protection Division

cc: Wayne Jeffs, Northern Compliance Supervisor (electronic)
Electronic Central File

SCIENCE | INNOVATION | COLLABORATION | COMPLIANCE

PO Box 5469, Santa Fe, New Mexico 87505-5469 | 505-469-1323 | www.env.nm.gov



SANITARY SURVEY REPORT

For

**La Mesa Water CO-OP
NM3500123**

*Este informe contiene información importante acerca de su agua potable.
Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.*

Prepared by: Frank Baca – Compliance Officer
New Mexico Environment Department
1190 St. Francis Dr. Suite S-2050
Santa Fe, New Mexico 87505-5469

**State of New Mexico
Environment Department
Water Protection Division
Drinking Water Bureau**

1190 St. Francis Dr. Suite S-2050
Santa Fe, New Mexico 87505-5469

RECORD OF INSPECTION



This Sanitary Survey Report fulfills the requirements of New Mexico Administrative Code 20.7.10.100 incorporating 40 Code of Federal Regulations 141.21(d) (ii) (2) and 142.16(o)(2) for completing a State approved survey.

Compliance Officer Signature: Frank Baca Date: December 22, 2022
Frank Baca, Compliance Officer

INTRODUCTION

A sanitary survey enables the New Mexico Environmental Department Drinking Water Bureau (NMED DWB) to provide a comprehensive review of the components of a water system, to assess the operating condition and adequacy of the water system, and to determine if past recommendations have been implemented effectively. The Sanitary Survey encompasses eight specific elements that are evaluated during the survey. Those eight elements are:

- Source (Protection, Physical Components, and Condition);
- Treatment
- Distribution System
- Finished Water Storage
- Pumps/Pump Facilities and Controls
- Monitoring/Reporting/Data Verification
- Water System Management/Operations
- Operator Compliance with State Requirements

Each element may not be specifically mentioned within this report; however, a significant deficiency or area of concern will be noted if any issues are discovered with any of these eight (8) elements.

The Administrative Contact, for the La Mesa Water CO-OP was given prior notification of the sanitary survey. The preliminary sanitary survey letter provided a list of required records which would be reviewed as part of the sanitary survey as well as a checklist for preparing for the sanitary survey. The letter requested that specific records be provided to the Compliance Officer prior to the sanitary survey.

The sanitary survey was conducted by Frank F. Baca Compliance Officer of the NMED DWB on November 22, 2022. Also, in attendance was system Operator Phillip Carter, Assistant Howard Burgess and President Jock Emdory.

BACKGROUND

The previous sanitary survey at La Mesa Water CO-OP was conducted on March 24, 2017 by Jeff Pompeo. During the previous sanitary survey, one (1) significant deficiency was cited. All significant deficiencies identified during the previous sanitary survey were corrected on July 28, 2017:

SYSTEM DESCRIPTION

The La Mesa Water CO-OP water system is a ground water, system with an approximate population of (650) with (330) total service connections. The population for the La Mesa Water CO-OP was calculated in accordance with 20.7.10.9.A NMAC. The Phillip Carter water system is classified as a Community, water system according to the New Mexico Drinking Water Regulations 20.7.10 NMAC. The water system consists of two wells (Well #5 and Well #6, two filters, an arsenic treatment unit, two chlorination units, two storage tanks (Tank #1 and Tank #2), and distribution. The storage tanks are bolted steel tanks, Tank #1 has a capacity of 100,000 gallons and Tank #2 has a capacity of 200,000 gallons. The storage tanks are plumbed to “float” on the distribution system. The

distribution system consists of approximately 55,000 feet of pipe and 233 metered connections. The two wells currently produce enough water to meet an average demand of .06 million gallons per day (MGD).

FIELD ANALYSIS

During the sanitary survey the following field analysis were conducted, and the results are shown below:

- Pressure - 108 psi from the highest point and 20 psi at the lowest point in distribution.
- Total Source Production - 110 Gallons Per Minute

SANITARY SURVEY FINDINGS & CORRECTIVE ACTIONS

Sanitary surveys serve as a proactive public health measure and can provide important information on a water system's design and operations, can identify minor and significant deficiencies for correction before they become major problems, and can improve overall system compliance.

Significant Deficiencies:

A significant deficiency is defined as any deficiency that is causing or has the potential to cause a threat to public health [New Mexico Administrative Code (NMAC) 20.7.10.100 incorporating 40 Code of Federal Regulations (CFR) §141.403(a)(4) or § 141.723(b)]. Public Water Systems are required to take corrective action for all significant deficiencies found during the sanitary survey. Corrective actions taken by the public water system must be acceptable to the DWB.

No significant deficiencies were documented during the 2022 sanitary survey.

CONCLUSION

The sanitary survey site visit for the La Mesa Water CO-OP water system was completed on November 22, 2022.

No significant deficiencies were identified during the 2022 sanitary survey. The La Mesa Water CO-OP water system is not required to take further action concerning this sanitary survey.

If you have any questions or need additional clarification concerning this report, please contact me at 505-469-1323 or by e-mail at frank.baca@nv.nm.gov.

Notes and Recommendations Summary

Notes and Recommendations are defined as any issue which in the estimation of the DWB, is not currently significant enough to be considered as a Significant Deficiency, however, the issue should be further investigated or addressed by the water system so as to not negatively contribute to the poor operations, management, or adequacy of the water system. Recommendations may be escalated to significant deficiencies if they are not addressed before the next sanitary survey.

The following Notes & Recommendations were identified at the La Mesa Water CO-OP water system during the survey.

- Notes & Recommendations:** Well #6 floor drain piping for La Mesa Water CO-OP appeared to be needing a screen with 24-gauge non-corrosive to prevent vermin and insects from entering.



Recommended Action: The La Mesa Water CO-OP recommendation to place a 24-gauge wire mesh for Well #6 floor drain pvc pipe was **Corrected on December 20, 2022.**

2. **Notes & Recommendations:** Well #6 flush line and PRV piping for La Mesa Water CO-OP appeared to be needing screens to be replaced or added with 24-gauge non-corrosive to prevent vermin and insects from entering.

Lacking screen or needs to be replaced.



Screens have been replaced and added.



Recommended Action: The La Mesa Water CO-OP recommendation to place a 24-gauge wire mesh screen and replace the flush line and PRV piping screens were **Corrected on December 20, 2022.**

3. **Notes & Recommendations:** Well #5 PRV relief line piping for La Mesa Water CO-OP appeared to be needing a screen to be replaced with 24-gauge non-corrosive to prevent vermin and insects from entering.

Needs new screen



New screen replaced



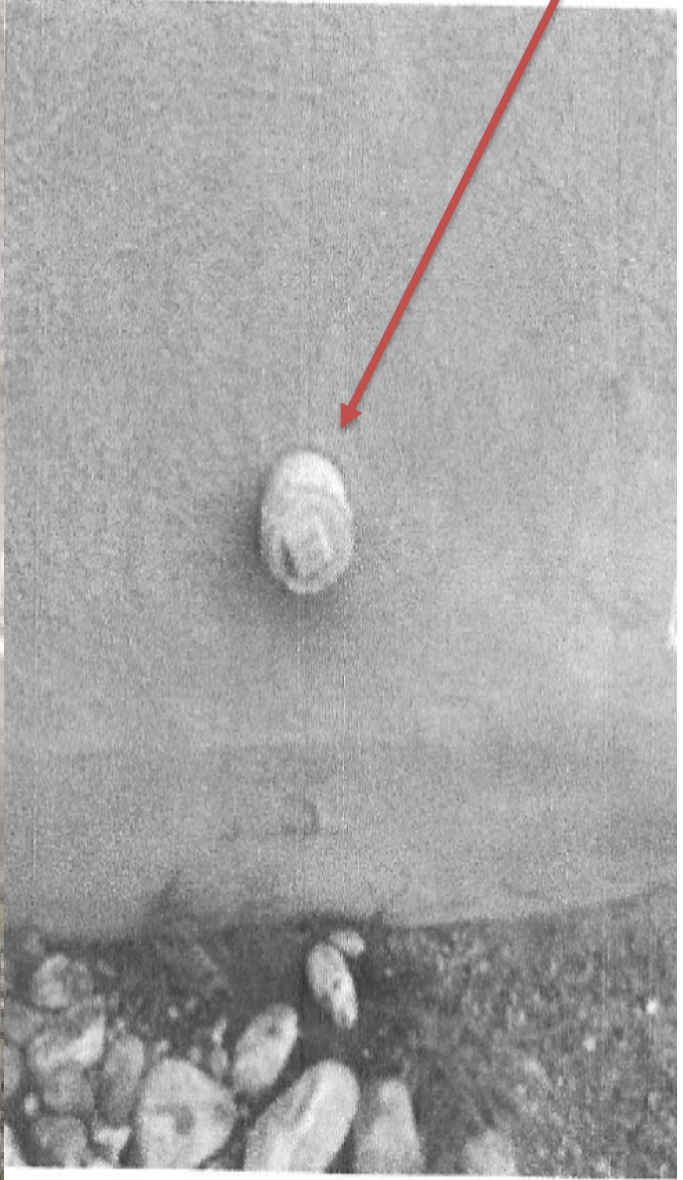
Recommended Action: Well #5 PRV relief line piping for La Mesa Water CO-OP screen was replaced with a new 24-gauge wire mesh screen was **Corrected on December 20, 2022.**

4. **Notes & Recommendations:** Well #5 flush line cap for La Mesa Water CO-OP appeared to be needing to be replace or tighten.

Well #5 Flush line cap leaking



Well #5 Flush line cap tighten to stop leaking



Recommended Action: Well #5 flush line cap for La Mesa Water CO-OP was tighten. **Corrected on December 20, 2022.**

5. **Notes & Recommendations:** Well #6 well cap cover bolts were loose or missing for La Mesa Water CO-OP and they are needing to be replaced or tighten.

Well cap bolts loose or missing



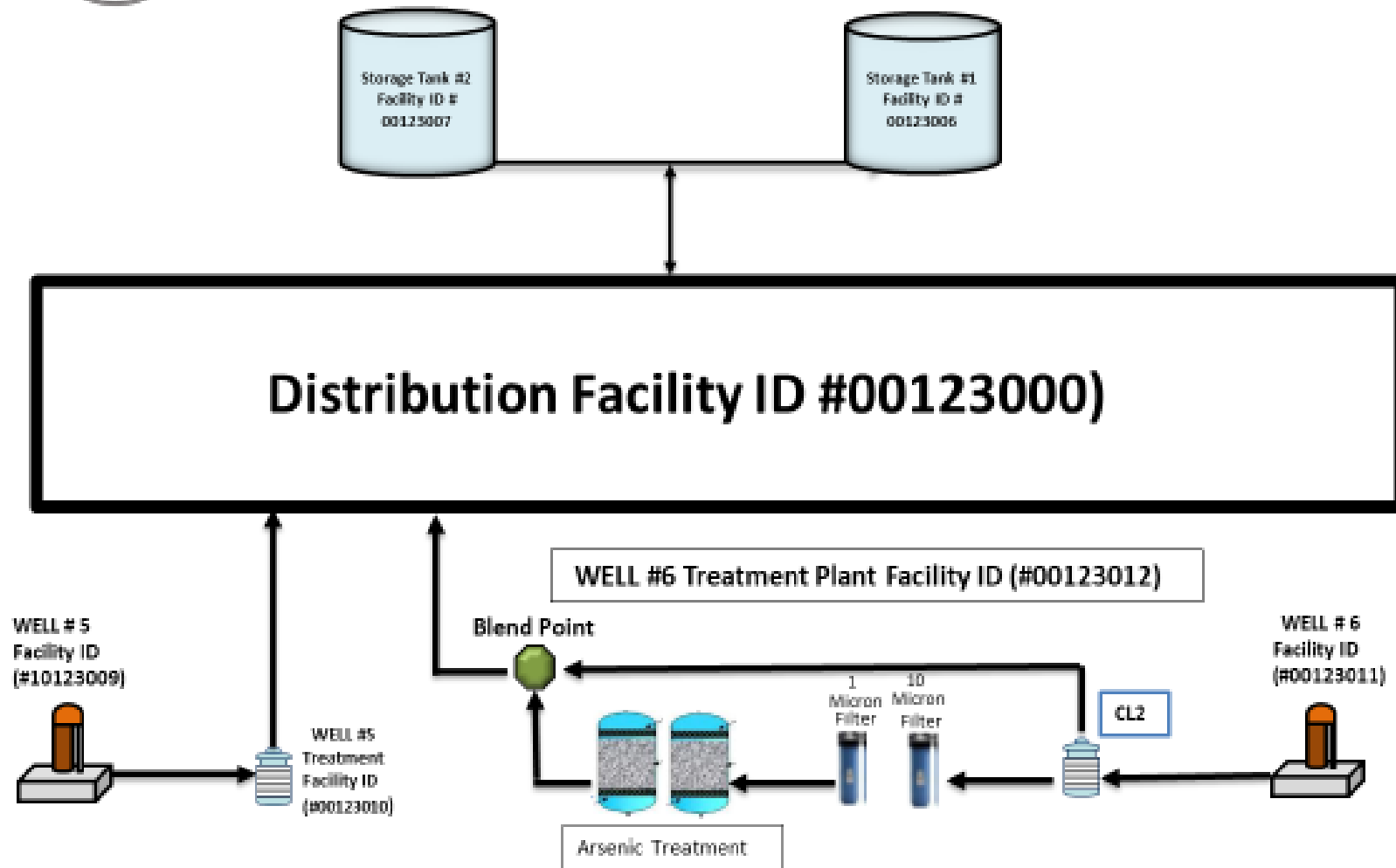
Bolts tighten and or replaced



Recommended Action: Well #6 well cap cover bolts for La Mesa Water CO-OP were tighten and or replaced. **Corrected on December 20, 2022.**



NMED - Drinking Water Bureau
System Schematic
La Mesa CO-OP Water System
NM3500123



Type text here