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NEW MEXICO ENVIRONMENT DEPARTMENT

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BUTCH TONGATE
Cabinet Secretary
J. C. BORREGO
Deputy Secretary

3/30/2017

Hilda Penhallurick
La Mesa Water Coop
PO Box 53
Placitas, NM 87043

RE: 2017 Sanitary Survey Report

Dear Hilda Penhallurick:

Enclosed is the Sanitary Survey Report for the La Mesa Water Coop water system, conducted on 3/24/17 by Jeff Pompeo of the New Mexico Environment Department Drinking Water Bureau (DWB).

During the survey one significant deficiency was identified and no minor deficiencies were provided. La Mesa Water Coop water system must consult with the DWB within 30 days of the date of this letter and take corrective action on the significant deficiency no later than 120 days after the date of this letter, or be in compliance with a DWB-approved schedule and plan for correcting these deficiencies within the same 120 day period. Failure to correct any significant deficiency will result in a treatment technique violation of NMAC 20.7.10.100 incorporating 40 C.F.R. 141 Subpart S.

If you have any questions or need additional clarification concerning this report please call 505-222-9590 or e-mail jeff.pompeo@state.nm.us.

Respectfully,

A handwritten signature in blue ink, appearing to read "Jeff Pompeo".

Jeff Pompeo, Compliance Officer
Drinking Water Bureau
Water Protection Division

cc: Area Supervisor (electronic)
La Mesa Water Coop water system Area Office file
Electronic Central File



SANITARY SURVEY REPORT

For

**La Mesa Water Coop
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: Jeff Pompeo

New Mexico Environment Department
1190 St. Francis
PO Box 5469
Santa Fe, NM 87502-5469
505.476.8620

3/24/17

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

121 Tijeras Ave NE, Suite 1000
Albuquerque, NM 87102



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. The information and data was prepared by Jeff Pompeo, Compliance Officer.

NMED APPROVING AUTHORITY: Jeff Pompeo Date: 3/30/17
Jeff Pompeo, Compliance Officer

Introduction

A sanitary survey enables the NMED Drinking Water Bureau Water (DWB) to provide a comprehensive and accurate 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 recommendation will be noted if any issues are discovered with any of these eight (8) elements.

As part of a sanitary survey the DWB conducted a site inspection of the La Mesa Water Coop water system. The site inspection was conducted by Compliance Officer, Jeff Pompeo, and accompanied by La Mesa Water Coop water system operator, Phil Carter. In addition to the site inspection, DWB reviewed various operational, managerial, and financial documents submitted by the La Mesa Water Coop water system and conducted a review of DWB compliance files for the water system.

System Description

The La Mesa Water Coop water system has approximately 650 year round residents and 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).

Survey Findings

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. The following significant and minor deficiencies were identified during the sanitary survey.

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)]. Water systems must consult with DWB within 30 days and take corrective action for any significant deficiencies found during the sanitary survey no later than 120

days after receiving written notification of such deficiencies, or be in compliance with a DWB-approved schedule and plan for correcting these deficiencies within the same 120 day period [NMAC 20.7.10.100 incorporating 40 CFR §141.403(a)(4) and §141.403(a)(5)(i)-(ii)]. Failure to remedy any significant deficiency will result in a treatment technique violation of NMAC 20.7.10.100 incorporating 40 CFR Part 141 Subpart S.

A total of one significant deficiency was identified at the La Mesa Water Coop water system during the survey.

I. Deficiency: **001L. Well head is not secured from the elements or intrusion or is susceptible to flooding**

Regulatory Citation: 20.7.10.400.C NMAC

Concern/Description: Direct Contamination. Properly protected well heads, spring boxes and casings prevent contaminated water, insects, vermin, or other potential contaminants from entering the well and/or aquifer. Facilities which are susceptible to flooding have an increased potential for contamination by surface water. Potential for cross contamination.

Corrective Action: Well #5 needs a 4x4 sloping concrete pad around it to protect wellhead from surface contamination and erosion.

Minor Deficiencies:

The following are minor deficiencies which DWB recommends be corrected before the next sanitary survey to ensure the deficiencies do not become significant.

Deficiency: **No minor deficiencies were found, therefore, there are no recommendations at this time.**

Conclusion

The sanitary survey for the La Mesa Water Coop water system was completed on 3/24/17. Based upon the onsite inspection and review of various operational and managerial documents and of DWB compliance files, one significant deficiency was identified and no minor deficiencies were identified. The La Mesa Water Coop water system must comply with the following bullets in the correction of these deficiencies.

- Upon receipt of this report, the La Mesa Water Coop water system must consult with the DWB within 30 days for all significant deficiencies (i.e., provide written documentation to DWB within 30 days of receipt of this report stating how and when each significant deficiency will be addressed).
- Failure to consult with DWB within 30 days on all significant deficiencies will result in a monitoring and reporting violation of NMAC 20.7.10.100 incorporating 40 CFR Par 141 Subpart S.
- The La Mesa Water Coop water system must take corrective action on all significant deficiencies no later than 120 days after receiving written notification of such deficiencies, OR be in compliance with a DWB approved schedule and plan for correcting these deficiencies within 120 days.

- Failure to correct any significant deficiency in accordance with the previous bullet will result in a treatment technique violation of NMAC 20.7.10.100 incorporating 40 CFR Part 141 Subpart S.
- In addition, the La Mesa Water Coop must provide written documentation to the DWB within 30 days of completing corrective action for each significant deficiency. Failure to submit documentation within 30 days will result in a monitoring and reporting violation of NMAC 20.7.10.100 incorporating 40 CFR Part 141 Subpart S.

If you have any questions or need additional clarification concerning this report please call 505-222-9590 or e-mail jeff.pompeo@state.nm.us.



NMED - Drinking Water Bureau System Schematic La Mesa Water Coop NM3500123

