



MICHELLE LUJAN GRISHAM
GOVERNOR

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CABINET SECRETARY

Notification provided via E-mail

August 27, 2024

Robert Cox; wcwua@wcwua.rog
Waterfall Community WUA, NM3564319
18 Waterfall Dr.
Cloudcroft, NM 88317

RE: 2024 Sanitary Survey Report

Dear Robert Cox:

On August 20, 2024, the New Mexico Environment Department Drinking Water Bureau (DWB) conducted a sanitary survey site visit at the Waterfall Community WUA water system.

During the survey, one significant deficiency was identified. Waterfall Community WUA 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. For your convenience, a CAP form is included at the end of the sanitary survey report.

Failure to correct and provide documentation of significant deficiency corrections within the established timeframes will result in treatment technique violation(s) being issued to Waterfall Community WUA.

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 505-690-6657 or by e-mail at tim.willy@env.nm.gov.

Respectfully,

A handwritten signature in blue ink that reads "Tim Willy".

Tim Willy, Compliance Officer
Drinking Water Bureau
Water Protection Division

cc: Brandi Littleton, Compliance Supervisor (electronic)
Electronic Central File



2024 SANITARY SURVEY REPORT

For

Waterfall Community WUA NM3564319

*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: Tim Willy– Compliance Officer
New Mexico Environment Department
2301 Entrada Del Sol
Las Cruces, NM 88001

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

2301 Entrada Del Sol
Las Cruces, NM 88001

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:  Date: 8/27/2024
Tim Willy, 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 Waterfall Community WUA 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 Tim Willy Compliance Officer of the NMED DWB on August 20, 2024. Also, in attendance was Administrative Contact Robert Cox, System Operator Ray Martinez, and Board President Todd Cooper.

BACKGROUND

The previous sanitary survey at Waterfall Community WUA was conducted on October 28, 2021, by John Pijawka. During the previous sanitary survey, one significant deficiency was cited. The significant deficiency identified during the previous sanitary survey was corrected.

SYSTEM DESCRIPTION

Waterfall Community WUA water system is a ground water system with an approximate population of 342 with 127 total service connections. The population for the Waterfall Community WUA was calculated in accordance with 20.7.10.9.A NMAC. The Waterfall Community WUA 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 one spring, one disinfection unit, four storage tanks, and distribution lines.

Spring (001) for Waterfall Community WUA produces 55-75 gallons of water per minute depending on seasonal flows. Raw water from the spring is disinfected with a 12.5% sodium hypochlorite solution at Treatment Plant #1 (004). After treatment, a submersible pump boosts a portion of the water supply to Storage Tank #1 (005) while a second submersible pump boosts another portion of the treated water to both Storage Tanks #2 and Storage Tank #3 (006 and 007). Any unused water overflows the spring box.

Storage Tank #1 is a 20,000 gallon bolted steel tank. Water from Storage Tank #1 gravity flows through distribution to a booster pump that supplies Storage Tank #4 (008). Storage Tank #4 is a 3,000 gallon poly tank that is used to supply pressure to the homes located at a higher elevation. Storage Tanks #2 and #3 are each 5,000 gallon poly tanks that are plumbed together to form a single 10,000 gallon storage unit. Water gravity flows from these tanks to distribution when in demand.

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.

One significant deficiency was identified at the Waterfall Community WUA water system during the sanitary survey. Those significant deficiencies are noted in the attached Significant Deficiency Summary page.

Corrective Action Plans and Corrective Action:

The Waterfall Community WUA must submit a written Corrective Action Plan 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)].

Waterfall Community WUA water system will be held to the above due dates unless an alternate schedule is requested as part of the Corrective Action Plan.

CONCLUSION

The sanitary survey site visit for the Waterfall Community WUA water system was completed on August 20, 2024.

Failure to submit a Corrective Action Plan or take corrective action for any significant deficiencies identified during the sanitary survey and noted in the attached Significant Deficiency Summary page will result in treatment technique violations as per [NMAC 20.7.10.100 incorporating 40 CFR Part 141 Subpart S].

Significant Deficiency Summary

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)].

1. Significant Deficiency Code: 004M – Inadequate storage facility foundation

Regulatory Citation: 40 CFR 141.403(a)(4)

Significant Deficiency Description: The ground beneath Storage Tank #4 (008) is eroding. If the erosion continues, it could compromise the structural integrity of the tank.

Photo Documentation:



Required Corrective Action Plan: The Waterfall Community WUA must submit a written Corrective Action Plan to DWB within 30 days of the sanitary survey cover letter date.

Required Corrective Action: The Waterfall Community WUA must submit photographs or other documentation acceptable to DWB, indicating that the foundation has been repaired around the base of Storage Tank #4.

Notes and Recommendations Summary

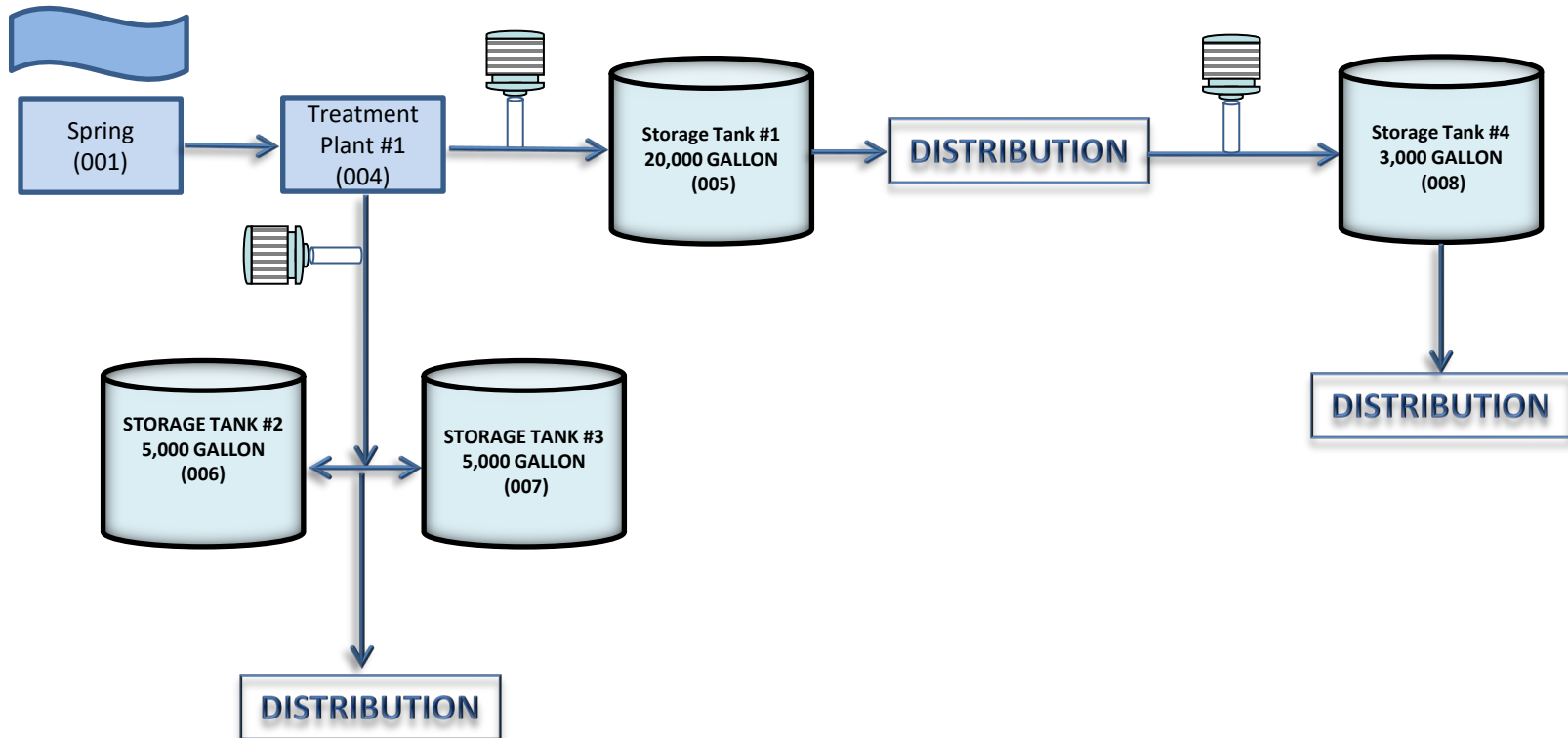
Notes and Recommendations are defined as any issue which in the estimation of the DWB, is not currently significant enough to be considered as a Significant Deficiency, however, the issue should be further investigated or addressed by the water system so as to not negatively contribute to the poor operations, 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 Waterfall Community WUA water system during the survey.

1. **Note:** Chemicals not approved for use in drinking water were stored in the spring house and treatment facility. These chemicals were removed during the survey, but the water system should take care not to store chemicals in drinking water facilities in the future.
2. **Note:** The Waterfall Community WUA has several public notices that have not been issued. The required public notices should be provided to the public to avoid further violations being issued.



NMED - Drinking Water Bureau
Waterfall Community WUA
NM3564319





Sanitary Survey Corrective Action Plan (CAP)

Ground water systems must submit a CAP within 30 days of issuance of the sanitary survey report.

Surface water and GWUDI systems must submit a CAP within 45 days of the issuance of the sanitary survey report

PWSS Name	Waterfall Community WUA
PWSS ID	NM3564319
Sanitary Survey Date:	August 20, 2024
Date report was issued:	August 27, 2024

Deficiency Listing– Shaded Section is to be filled out by water system representative

Deficiency Code	Description	Choose one and fill in date:	
		Date Deficiency was addressed	Expected date of completion
004M	Inadequate storage facility foundation		
Comments:			

If a deficiency has been addressed, submit documentation to the compliance staff listed below.

Submit this form to:

Tim Willy at tim.willy@env.nm.gov

Corrective Action Plan submitted by:

Signature

Printed Name

Date