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## Notification provided via E-mail

February 29, 2024

Martin Lopez; [martin.lopez@lrgauthority.org](mailto:martin.lopez@lrgauthority.org)  
Lower Rio Grande PWWA Valle Del Rio, NM3513607  
PO Box 2646  
Anthony, NM 88021

### RE: 2024 Sanitary Survey Report

Dear Martin Lopez:

On February 22, 2024, the New Mexico Environment Department Drinking Water Bureau (DWB) conducted a sanitary survey site visit at the Lower Rio Grande PWWA Valle Del Rio water system.

During the sanitary survey, no significant deficiencies were identified. No further action is required resulting from this sanitary survey.

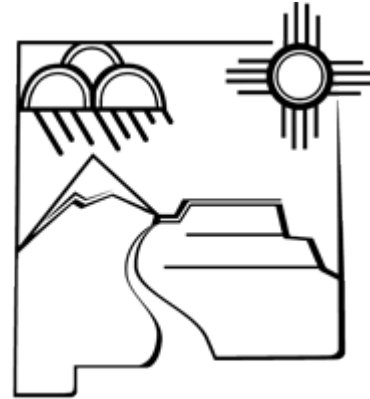
NMED DWB appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's drinking water. If you or members of your staff have any questions or need additional clarification concerning this report, please feel free to contact me at 505-690-6657 or by e-mail at [tim.willy@env.nm.gov](mailto: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

## Lower Rio Grande PWWA Valle Del Rio NM3513607

*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: 2/29/2024  
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 Lower Rio Grande PWWA Valle Del Rio 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 February 22, 2024. Also, in attendance were system operators Mike Lopez and J.J. Gutierrez.

## **BACKGROUND**

The previous sanitary survey at Lower Rio Grande PWWA Valle Del Rio was conducted on September 2, 2021, by Brandi Littleton. During the previous sanitary survey, no significant deficiencies were cited.

## **SYSTEM DESCRIPTION**

Lower Rio Grande PWWA Valle Del Rio water system is a ground water system with an approximate population of 252 with 96 total service connections. The population for the Lower Rio Grande PWWA Valle Del Rio was calculated in accordance with 20.7.10.9.A NMAC. The Lower Rio Grande PWWA Valle Del Rio 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, two storage tanks, a treatment unit for iron and manganese removal as well as disinfection, a booster pump station, and distribution lines.

Wells #1 and #2 (001 and 002) contain submersible pumps that are capable of producing approximately 70 gallons of water per minute each. Mixed phosphates are injected at each well for iron and manganese control. Water from the wells flows to Treatment Plant #1 (003) where a 12.5% sodium hypochlorite solution is introduced for disinfection. After disinfection, water flows to both Storage Tanks #1 and #2 (008 and 009). After the storage tanks, water is pressurized to approximately 65 psi at Booster Pump #1 (006) before flowing to distribution.

Storage Tanks #1 and #2 are constructed of steel. Storage Tank #1 has a capacity of 40,000 gallons and Storage Tank #2 has a capacity of 170,000 gallons.

### **FIELD ANALYSIS**

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

- Pressure - 65 psi from at the booster pump.
- Total Source Production - 140 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 identified at the Lower Rio Grande PWWA Valle Del Rio water system during the sanitary survey.**

### **CONCLUSION**

The sanitary survey site visit for the Lower Rio Grande PWWA Valle Del Rio water system was completed on February 22, 2024.

During the sanitary survey, no significant deficiencies were identified. Lower Rio Grande PWWA Valle Del Rio 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 505-690-6657 or by e-mail at [tim.willy@env.nm.gov](mailto:tim.willy@env.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 Lower Rio Grande PWWA Valle Del Rio water system during the survey.

1. **Note:** The Lower Rio Grande PWWA Valle Del Rio noted that their water loss is at 7.2%.