

# CLOSE-OUT FACT SHEET

**Project Name:** Water Treatment Improvements  
**Project Location:** Lordsburg, NM  
**Project Sector:** Water Treatment

**Certification:** Mar-07  
**Construction complete:** May-09  
**Close-out Report:** Jan-15



## The Pre-Project Conditions

The water supply existing in the City of Lordsburg had fluoride levels that exceeds the Maximum Contaminant Level (MCL) of 4 mg/L; a primary water quality standard. The October 2004 water quality results measured a concentration of 5.02 mg/L of Fluoride at the Entry Point (Well No.1, Well No.2, SP Well) and 12.52 mg/L of Fluoride at the Smith Well. The project was selected for funding based on a publication describing high incidence rates of fluorosis and skeletal fluorosis documented in the community. The implementation of the Water Treatment Improvements will provide benefits including the reduction of fluoride in the city's water, improve the water treatment system, comply with the regulatory requirements, and improve the health of the community.



## The Project Objective

The purpose of the project was to improve water quality through the implementation of an activated alumina treatment system, which contributes to the reduction of the risk of waterborne diseases associated with high levels of fluoride.

## The Project Scope

The project consists of improvements to the drinking water treatment system to reduce fluoride concentrations from water for the community of Lordsburg, New Mexico.

Actual Investment: US\$ (Millions)		2.6	
NADB Grant: EPA BEIF		0.7	
NADB Loan:		0.0	
Other Sources:		1.9	
Anticipated Investment: US\$ (Millions)		At Certification	Variation
NADB Grant: EPA BEIF		0.7	0.0
NADB Loan:		0.0	0.0
Other Sources:		1.3	0.6
<b>Total</b>		<b>2.0</b>	<b>0.6</b>
<b>Other Sources: USDA, NM 2004-05 Grants, Sponsor</b>			

\*New funding source.

<b>Benefited population:</b>	<b>3,379</b>
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## The Results

Outcomes	Indicators	Target	Actual (2014)
Improve access to drinking water	Improve drinking water quality (MGD)	0.60	0.60
	Compliance with applicable regulations	≤4mg/L	≥4mg/L

Outputs	
Activated Alumina water treatment system (MGD)	0.60
8" PVC C-900 water line extension (lf)	1,460
10" HDPE sewer line for treatment wastestream (lf)	3,457

**Significant project finding(s)**  
 Water quality continues to exceed the primary water quality standard for fluoride. The project sponsor continues to apply various operational strategies to achieve sufficient water treatment.

