

## CLOSE-OUT FACT SHEET

**Project Name:** Construction of the Wastewater Collection and Treatment System **Certification:** Sep-02  
**Project Location:** Tornillo, Texas **Construction complete:** Jun-09  
**Project Sector:** Wastewater Treatment **Close-out Report:** Nov-14



### The Pre-Project Conditions

Many of the existing sewage disposal systems in the unincorporated community of Tornillo did not comply with the El Paso County requirements for construction and operation of on-site sewage systems. These regulations prohibit the use of septic tank systems on lots of less than one-half acre in size, a common lot size in the Tornillo area. Over 80% of septic tanks were not registered with the county. Many of the homes in the older areas of Tornillo used cesspools, constructed of a cinder block or brick. A small percentage of homes disposed wastes directly onto the ground or into irrigation canals. On-site systems relying on soil absorption continually failed due to the characteristics of the soil and high groundwater table in some of the project areas accentuate the shortage of absorption capacity.



### The Project Objective

The purpose of this project was to eliminate exposure to untreated or inadequately treated wastewater discharges in unserved areas through the construction of the wastewater collection system and a wastewater treatment plant, contributing to the reduction of water pollution and the risk of water-borne diseases.

### The Project Scope

The project consists of the construction of the wastewater collection system and a wastewater treatment plant (WWTP) for unserved areas of the community of Tornillo. The WWTP consists of a secondary treatment process (activated sludge).

Actual Investment: US\$ (Millions)	21.3	
BEIF Grant: EPA BEIF	5.2	
NADB Loan:	1.9	
BECC PDAP:	0.5	
Other Sources:	13.7	
Anticipated Investment: US\$ (Millions)	At Certification	Variation
BEIF Grant: EPA BEIF	5.2	0
NADB Loan:	1.5	0.4
BECC PDAP:	0.5	0
Other Sources:	5.5	8.2
<b>Total</b>	<b>12.7</b>	<b>8.6</b>
<b>Other Sources: TWDB-grant &amp; loan</b>		

<b>Benefited population:</b>	<b>3,576</b>
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### The Results

Outcomes	Indicators	Target	Actual (2014)
Provide access to wastewater collection and treatment services	Access to new wastewater collection and treatment	655	595
Eliminate exposure to untreated or inadequately treated wastewater discharges (Protection of natural resources)	New wastewater treatment capacity (MGD)	0.73	0.73
	Eliminate untreated discharges (MGD)	0.22	0.24

Outputs	
Wastewater treatment plant (MGD)	0.73
New wastewater collection infrastructure (lf)	89,231
Wastewater connections	595

**Significant project finding(s)**  
 The project eliminated more uncollected discharges than originally estimated; however, the WWTP has sufficient capacity for continued growth in population.

