

CLOSE-OUT FACT SHEET

Project Name: "Wastewater Collection, Treatment, and Reuse Project for Colonia Anapra, Ciudad Juárez, Chihuahua, México"

Certification: Jul-07

Project Location: Juarez, Chihuahua

Construction complete: Mar-10

Project Sector: Wastewater Collection, Treatment and Reuse

Close-out Report: Jan-15

The Pre-Project Conditions

In 2007 the JMAS had already provided access to wastewater collection services to most of the residents of Anapra. However, because there was not a wastewater treatment plant, JMAS did not allow the households to connect to the collection system, therefore, residents continued disposing the wastewater through saturated latrines and some illegal connections to the sewer system that discharged directly onto the street, creating serious health hazards to the area residents. In addition, due to the topography of the area, runoff flowed from south-to-north towards Sunland Park, NM. Since the runoff was very likely to contain untreated wastewater, addressing this environmental problem was a high priority for both Mexican and US governments.

The Project Objective

Eliminate exposure to untreated wastewater in unserved areas through the construction of the wastewater collection system, construction of a new WWTP, and the construction of a reclaimed wastewater system; contributing to the reduction of groundwater pollution and the risk of water-borne diseases.

The Project Scope

This project consisted of the the construction of the wastewater collection system, a wastewater treatment plant (WWTP), and a reclaimed wastewater system. The lift station includes biological odor control measures and the WWTP consists of a secondary treatment process (activated sludge). The reclaimed wastewater system includes a distribution network for landscape irrigation purposes and conveyance to divert excess flow to the Benito Juarez reservoir.

Actual Investment US\$	8.0 M	
NADB Grant: EPA BEIF	1.6 M	
NADB Loan:	0.4 M	
Other Sources:	6.0 M	
Anticipated Investment US\$(Millions)		
	At Certification	Variation
NADB Grant: EPA BEIF	1.6 M	0.00
NADB Loan:	0.4 M	0.00
Other Sources:	4.2 M	(1.8 M)
Total	6.2 M	(1.8 M)
Other Sources: CONAGUA ; Project Sponsor (JCAS - JMAS)		

Benefited population:	14,721 (Collection) 16,684 (Treatment)
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The Results

Outcomes	Indicators	Target	Actual (2014)
Provide access to wastewater collection and treatment services Reduce untreated wastewater discharges. Decrease demand on water resources.	Provision of reliable access to wastewater collection and treatment services of the community.	100%	89% WW Collection 100% WW Treatment

Outputs	
Construction of new wastewater connections	3,874
New wastewater collection infrastructure	15.4 miles
Wastewater treatment plant	1.37 MGD
Eliminate untreated discharges	0.34 MGD
Reuse the reclaimed wastewater for landscape irrigation	0.34 MGD

Significant project contributions
The project improves wastewater collection and first-time wastewater treatment services and elimination of an estimated 0.34 MGD of untreated wastewater into shared transboundary surface water.

