

CLOSE-OUT FACT SHEET

Project Name: “North and South Wastewater Treatment Plants Project and Supplemental Wastewater Collection Projects in Ciudad Juarez, Chihuahua

Certification: Sep-97

Project Location: Cd. Juárez, Chihuahua

Construction complete: Apr-01

Project Sector: Wastewater Treatment

Close-out Report: Dec-14

The Pre-Project Conditions

JMAS had provided wastewater collection services to 80% of the residents of Ciudad Juarez, Chih. Wastewater treatment was not available. Existing services included collection of municipal wastewater and conveyance and discharge to an irrigation system drain. The drain conveyed wastewater through the irrigation system and eventually would discharge to the Rio Grande. The JMAS did not charge users for sanitation services.



The Project Objective

Eliminate exposure to untreated wastewater by the rehabilitation and expansion of the wastewater collection system, and the construction of two wastewater treatment plants (North and South) to un-served areas, contributing to the reduction of water pollution and the risk of water-borne diseases.

The Project Scope

This project consists of the construction of two Advanced Primary Treatment Wastewater Plants (North and South WWT Plants). The project includes grit removal, a clariflocculation treatment followed by a final chlorine disinfection process. This treatment may be modified based on the demand and wastewater quality to a biological treatment process (activated sludge through a no nitrate load). The North Plant was designed to treat 57 MGD and the South Plant as designed to initially treat 22.8 MGD.

*Since this project, both facilities have been upgraded to secondary treatment.

Actual Investment: US\$(Millions)	31.5M
NADB Grant: EPA BEIF	12.2M
NADB Loan	4.6 M
Other Sources:	14.7M

Anticipated Investment US\$(Millions)	At Certification	Variation
NADB Grant: EPA BEIF	11.1M	1.1M
NADB Loan	0.0M	4.6M
Other Sources:	18.3M	(3.6M)
Total	29.4M	2.1M

Other Sources: CONAGUA (APAZU; FINFRA); Project Sponsor (JMAS); private sector concessionaire

Benefited population:	1,217,818
------------------------------	------------------

The Results

Outcomes	Indicators	Target	Actual
Increase access to safe and sanitary wastewater services.	Increased wastewater treatment capacity	79.8 MGD	79.8 MGD
Reduce untreated wastewater discharges.	Quantity of untreated wastewater discharges eliminated.	79.8 MGD	79.8 MGD

Outputs	
Two wastewater treatment plants - "Norte" and "Sur" (Total Capacity)	79.8 MGD

Significant project contributions
 First-time wastewater treatment services and elimination of an estimated 60 MGD of untreated wastewater into shared transboundary surface water.

