



**NORTH AMERICAN DEVELOPMENT BANK  
FACT SHEET  
CIUDAD JUAREZ, CHIHUAHUA**

**Project:** North and South Wastewater Treatment Plants Project and Supplemental Wastewater Collection Projects

**Cost:** US\$31,490,000

**Sponsor:** The local water utility, *Junta Municipal de Agua y Saneamiento de Juárez* (JMAS)

**Location:** Ciudad Juarez is located in the state of Chihuahua in northeastern Mexico. It shares the U.S.-Mexico border with El Paso, Texas.

**Background:** In Juarez, 93 percent of the population has drinking water and 80 percent receive sewage collection services; however there is no wastewater treatment. Part of the untreated wastewater is mixed with water from agricultural wells and with water regulated under international treaty and is used to irrigate 38,178 acres in the Juarez Valley. The quality of the combined waters is inappropriate for irrigation, producing negative impacts on human health and the environment in the region.

**Description:** This project addresses environmental and health problems caused by inadequate sewage services and the lack of wastewater treatment in the city. The project is part of the Master Plan for Drinking Water and Sewerage Services of Ciudad Juárez and has been classified as an environmental priority for this area. It consists of:

- The construction of two wastewater treatment plants (North and South) designed to treat 79.8 million gallons per day (mgd); 57 mgd in the North plant and 22.8 mgd in the South plant.
- The installation of 36 miles of collectors and sewer lines and a pump to convey wastewater to the plants.
- Rehabilitation and replacement of collectors and municipal sewer lines located in the central, eastern and western areas of the city, which entails installing 35.7 miles of sewer lines, constructing four collectors (4.5 miles of pipe), and replacing seven collectors (8.56 miles of pipe).

**BECC Certification:** September 30, 1997

**NADB Funding:** Border Environment Infrastructure Fund (BEIF)  
Construction Grant Assistance: US\$12,183,868

Loan & Guaranty Program

Market-rate loan: US\$4,613,163

Institutional Development Cooperation Program (IDP)

The NADB financed the development of a water loss and repairs study, as well as a financial analysis for the utility and a water and wastewater line survey.

**Other Funding Sources:**

Additional funding sources include: JMAS; *Fondo de Inversión en Infraestructura* (FINFRA); *Banco Nacional de Obras y Servicios Públicos, S.N.C.* (Banobras); and Degrémont France/Mexico.

**Benefits:**

With the implementation of this project, 93 percent of the population will have sewage services and 100 percent of the city's wastewater will be treated. This would prevent direct wastewater discharges into irrigation canals and other bodies of water and eliminate health problems and diseases directly related to untreated wastewater, wastewater leaks into underground water sources and runoff from the sewage system.

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