



**NORTH AMERICAN DEVELOPMENT BANK  
FACT SHEET  
PIEDRAS NEGRAS, COAHUILA**

- Project:** Comprehensive Sanitation Project
- Cost:** US\$56,820,000
- Sponsor** Sistema Municipal de Aguas y Saneamiento de Piedras Negras (SIMAS)
- Location:** Piedras Negras is located in the northeastern region of the state of Coahuila, Mexico, where it shares the border with Eagle Pass, Texas.
- Background:** In the last few years population growth in Piedras Negras has surpassed the capacity of its environmental infrastructure, particularly in the areas of wastewater collection and treatment facilities. As of 2003, the sewer system provided service to only 87% of the population.
- In addition, many of the areas of the city that do have sewer service are experiencing problems due to deterioration of the system from age and lack of maintenance. Moreover, because it is a combined system also used for storm drainage, during heavy rainstorms the system overflows onto the streets.
- Description:** The Project is divided into three phases to be carried out over a 20-year period and is designed to offer sewerage coverage to the city's entire population, which is currently estimated at 262,000 residents.
- Phase I (1999-2004)  
The first phase consists of the construction of a wastewater treatment plant financed by a private concessionaire under a Build-Operate-and-Transfer contract (BOT), closure of the existing facilities, and construction of collectors, sewer lines, and pump stations.
- Phase II (2003-2006):  
This phase focuses on expansion of the primary and secondary wastewater collection system started in Phase I with emphasis on zones without service and consists of the construction and rehabilitation of more than 100 km. of pipelines to cover approximately 27,000 additional residents, as well as the installation of micrometers that will allow SIMAS to use volumetric rates for all its customers and thus reduce water consumption and wastewater discharges.

Phase III (2007-2018):

The last phase consists of expansion of the primary wastewater collection system to maintain 100% coverage and includes the construction of approximately 500 km. of sanitary sewer lines.

**BECC Certification:** March 24, 2000

**NADB Funding:** Border Environment Infrastructure Fund (BEIF)  
Construction grant assistance: US\$8,400,000

The BEIF funds will be used for the construction of sewer lines and pump stations in Phases II and III of the project.

Loan & Guaranty Program:  
Low-interest loan US\$2,448,716

Loan proceeds will be applied to part of the Phase II Project costs, including the construction and rehabilitation of wastewater collection infrastructure and construction management.

**Other Funding Sources:** The remaining projects costs will be covered by grant funds from the Mexican federal water agency, Comisión Nacional del Agua (CNA), and Mexican state and local authorities.

**Benefits:** With the implementation of this project, all Piedras Negras residents will receive wastewater collection and treatment services. Moreover, expanding these services will help prevent raw wastewater discharges into the Rio Grande and Escondido Rivers, as well as into the San Fernando and Tornillo streams, thus improving the overall health and well-being of current and future residents of Piedras Negras, Coahuila, and Eagle Pass, Texas.

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