

Quito Water Supply and Sewerage Program

ECUADOR

SECTOR: Sanitation

PROJECT NAME: Quito Water Supply and Sewerage Program
(823/OC-EC)

TOTAL COST: \$170 million

FINANCING:

IDB	\$136 million
LOCAL	\$ 34 million

DATE OF APPROVAL: September 21, 1994

GENERAL DESCRIPTION: The objective of the project is to improve sanitary conditions and public health in Quito by:

- (a) expanding the production capacity and increasing the coverage of the city's water supply system;
- (b) improving and optimizing the operating conditions of water and sewerage services; (c) expanding coverage of the sanitary sewerage and storm drainage system;
- (d) preparing an integrated master plan for water supply and sewerage to plan service development and devise the utility investment program; and
- (e) strengthening and consolidating the new Quito municipal water supply and sewerage utility, created by the merger of the two companies that previously provided the service independently.

The following works and measures are included: (a) for the water supply system: civil works and the procurement of material and equipment for the "La Mica p Quito Sur" water supply system components; (b) for the sewerage system: approximately 300 kilometers of

sewers will be installed under a global multiple-works program; (c) an integrated master plan for water supply and sewerage to determine, at the feasibility level, the medium- and long-term investment program to improve the services; and (d) institutional strengthening to improve the administrative and business capacity of the new utility.

CIVIL WORKS:

The civil works for the program include the following: (a) for the water supply system: intake and conveyance of 1.5 cubic meters per second of water, construction of a 15-meter-high dam to obtain an annual storage reservoir of 23.3 Mm³ of useable volume, installation of some 48 kilometers of steel conveyance lines, and construction of two tunnels, 0.4 kilometers and 2.9 kilometers long; installation of a small 7-MW capacity hydroelectric plant; construction of a first module (850 liters/second) of a 1.7-cubic-meter/second water purification plant; installation of a distribution system (approximately 503 kilometers long) in the current growth areas south of Quito (20,000 household connections and 11 storage tanks); and replacement of 20,000 existing meters and installation of 50 tank overflow control valves and of a telemetering system; (b) for the sewerage system: installation of approximately 300 kilometers of sewers in some 22 districts of the city. The contracts for the civil works will be awarded through international public bidding.

GOODS AND EQUIPMENT: International public bidding will be followed for the procurement and installation of the equipment and materials.

CONSULTANTS: Consulting services will be hired for supervision of the access roads, preparation of the master plan and valuation of the fixed assets.

EXECUTING AGENCY: Empresa Municipal de Agua Potable y Alcantarillado de Quito (Quito Municipal Water Supply and Sewerage System Utility)

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