

COMPañIA MINERA AUTLAN SA DE CV

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Lizardo Galvan G.
Consultant - Corporate Division

Company Size:
2000 employees

Primary Products:
Manganese ore and manganese ferro-alloy

Export Levels:
Varies

Plants:
Molango (Hidalgo) - mine and smelting plant
Nonoalco (Hidalgo) - mine and smelting plant
Tamós (Veracruz) - smelting plant
Texiutlán (Puebla) - smelting plant

Wastewater Status:
Does not comply with wastewater discharge standards

Potential Opportunities:
Minera Autlan uses water for the extraction and smelting process as well as for sanitary purposes. Settling tanks and sewage treatment facilities are located at each mining location. Water for cooling in the smelting plants is recycled. As such, the maintains that it complies with all current regulations. However, officials recognise that they do have a problem with high suspended solids in the Molango mine. During the rainy season, currently used settling tanks are not adequate to process the volumes of water. The company is interested in technology that can be installed within the mine to speed the process of removing suspended solids. In addition, the company is interested in new cost effective technology for other treatment plants such as sewage. If regulations become more stringent, alternative technology to thickening tanks will be required.

Purchase Time Frame:
Molango mine - within one year

Additional Comments:
Previous environmental purchases have been financed under the NAFINSA program. Financing is important.

MATERIAS PRIMAS MONTERREY

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Pascual Díaz Ruiz
Restoration of environment

Dr. Calixto Ramirez
Manager of Operations

Company Size:
Information not provided.

Primary Products:
Silica sand, feldspar, and processing of these materials

Export Levels:
Information not provided.

Plants:
Canoitus (Coahuila) - silica sand
Lampazos (Nuevo Leon) - processing plant
San José (Guanajuato) - silica sand and feldspar
Ahicazotepec (Puebla) - feldspar
Jaltipan (Veracruz) - silica sand
Aguilera (Veracruz) - silica sand

Wastewater Status:
Does not comply with wastewater discharge regulations.

Potential Opportunities:
Materias Primas Monterrey has a problem with water loss through infiltration. This problem is most prevalent in the mines in Puebla and San Jose, where water consumption is 40,000 m³ and 38,000 m³ per month, respectively. The company is currently looking for ways to decrease both water use and water loss. It is recognised that due to stricter norms imposed by the CNA, an investment in wastewater technology will be required.

Purchase Time Frame:
As regulations require.

Additional Comments:
The company has budgeted \$US 1 per ton of production for environmental protection. In general, 50 % is spent for water protection. Financing of any purchase will be important.