

looking for recycling solutions that will provide an economic benefit.

The majority of mining companies have yet to purchase wastewater technology. However, many of the larger companies have implemented such systems. As a result, experts estimate that between 60% and 70% of the industry's total production volume is already served by wastewater treatment.

In general, the mining sector appears to be less interested in wastewater technology, as indicated by survey results. This may largely be a of the lack of regulation and enforcement to date. Additionally most mining operations are not located in wastewater priority zones. As a result, water discharge is not yet expensive, and mining companies have less incentive to make an investment in wastewater treatment.

However, each of these factors is likely to change over the short and medium term. Norms are already being developed. Once regulations have been implemented, authorities will monitor water discharges more carefully, particularly discharges occurring in zone 1 or zone 2 locations (ie. the State of Nuevo Leon). In addition, water costs are rising regardless of geographic location. Rising costs will force mining companies, particularly those located in arid zones, to more carefully manage their water resources.

Sources:

1. The Mexican Investment Board, "*The Mining Industry*," (Mexico D.F.: Grupo Financiero Banamex, 1992)
2. Promociones Industriales Banamex, "*Mexico: The Mining Industry*," (Mexico D.F.: Promociones Industriales Banamex, 1991)
3. The Canadian Embassy, "*Market Study on the Mining Industry in Mexico*," (Mexico D.F.: Canadian Embassy, 1992)
4. Presidencia de la República, "*Cuarto Informe de Gobierno*," (Mexico D.F.: Presidencia de la República, 1992)

**SERVICIOS ADMINISTRATIVOS LUISMIN,
SA DE CV**

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Luis Manuel Arroyo Dominguez

Company Size:

The company is a medium sized mining enterprise. No specific data was provided.

Primary Products:

Information not provided.

Export Levels:

Information not provided.

Plants:

The company has four mining locations.

Wastewater Status:

It can be assumed that Luismin is not currently complying with wastewater discharge norms.

Potential Opportunities:

Luismin currently has no wastewater or recycling equipment. Filters and interchangers are required in all four mining locations. The company identifies problem areas as "all environmental parameters."

Recycling projects have also been identified by the company as a potential purchase area.

Purchase Time Frame:

The purchasing process would begin in 1994. Projects will continue throughout the next five years.

Additional Comments:

Approximately 700m³/day of water is consumed, at a price of 4 NP/m³.