

3.1.2 THE WASTEWATER MANAGEMENT MARKET

According to Miller, the \$ 31.4 billion spent by the North-American public and private sectors in 1991 on water and wastewater management (services, products, treatment facilities and equipment) was distributed as follows:

Table 3.3 : The North-American Water and Wastewater Management Market - 1991	
	(millions of US\$)
Capital expenditures - private industry and public utilities	\$ 5.5
Capital expenditures of municipalities (water treatment and sewers)	11.5
Operating and maintenance expenditures - industry	5.1
Operating and maintenance expenditures - municipalities	9.3
<p>Note: The above amounts do not include engineering consultation services, laboratory analysis services, monitoring costs or research and development.</p>	
<p>Source: Richard K. Miller & Associés inc.</p>	

The municipal wastewater treatment market has stabilized but the market for treatment of industrial wastewater containing hazardous wastes is in a state of ongoing expansion.

Stricter regulations on discharges combined with the need to think in terms of prevention and reduction at source are forcing the municipal and industrial wastewater treatment sectors to consider more effective technologies and more flexible and creative methods of funding for the coming years.

In its 1992 Needs Survey concerning wastewater treatment, the EPA points out that federal, state and municipal governments need to plan for expenditures in the order of \$80.4 billion over the next twenty years for the construction and improvement of public treatment works. Adding to this an estimated \$ 30.2 billion for the actual treatments, the EPA estimates the total national need at \$110.6 billion.

At the risk of repetition, we can assert that all estimates of the environmental market suggest numerous business opportunities opening up in the 1990s. Systems, equipment and services