

3.2.4 PRETREATMENT

With the growing need for pretreatment, some U.S. industries are having recourse to pre-assembled treatment systems that can be installed with a minimum of connection work. These systems are sometimes operated on a subcontracting basis.

3.2.5 HANDLING AND DISPOSAL OF SLUDGE

This is a significant market because of the need to purchase filter presses, centrifuges and vacuum filters.

3.2.6 ENVIRONMENTAL INSTRUMENTATION

This is an area with significant growth potential estimated at 15% annually. According to Richard K. Miller and Associates Inc., the North-American market in 1991 was \$1.4 billion, 58% of which was related to water. Instrumentation for immunoassays, continuous monitoring, remote sensing and gas chromatography are clear examples.

3.2.7 ENVIRONMENTAL SOFTWARE

These information management tools are in high demand. Growth in this market is estimated at 20% annually for the next five years. Richard K. Miller and Associates Inc. estimate that the market in 1991 was \$ 600 million. However there is no figure for the proportion of software specific to industrial wastewater.

Geographical information systems (GISs) are expanding rapidly. Development of interactive decision support systems (IDSSs) and expert systems for the environment are growth areas because of the huge amount of data and the vast number of factors that are now needed to make a decision.