2.2.2 RECOVERY, RECYCLING AND RE-USE

When it is not possible to reduce at source and thus prevent the formation of a pollutant, the next best thing is technologies to recover, recycle and re-use. With this type of technology, pollutants are recycled during the process itself, or else they are turned into marketable byproducts or byproducts which are useable in other industrial operations.

2.2.3 TREATMENT

While the emphasis is henceforth to be on preventive reduction, treatment methods are still needed. Treatment should be as near to the source as possible in order to avoid mixing of various pollutants, which can produce synergistic effects and make them more difficult to treat.

This category includes disinfecting techniques that generate no harmful byproducts.

2.3 SUPPORT TECHNOLOGIES

The new technologies require control, measurement and decision support systems if they are to operate properly from the point of view of both environmental quality and productivity.

2.3.1 AUTOMATED CONTROL SYSTEMS

Automated process control systems increasingly incorporate environmental parameters. Environmental protection is incorporated into the operating parameters of processes and the formation of undesirable pollutants is thus prevented.