

it could be deliberately reused for municipal purposes, that is, for drinking, cooking, and bathing, a treatment sequence would be needed to *completely* purify the water of suspended and dissolved organic and inorganic impurities. As can be seen, a number of purification processes must be available to remove the various types and quantities of contaminants. These various processes are the variables in the advanced waste-treatment formula.

*Types of treatment*

There are two general types of treatment sequences. They represent the concerted efforts of research and development over the last six years by scientists and engineers in the Federal water pollution control program. In the series-type system (Fig. 15), the total flow passes through all processes or steps in sequence. In the parallel sequence (Fig. 16), the flow is divided into two parts; each part passes through different treatment steps and then the flows are recombined.

SERIAL FLOW RENOVATION SYSTEM

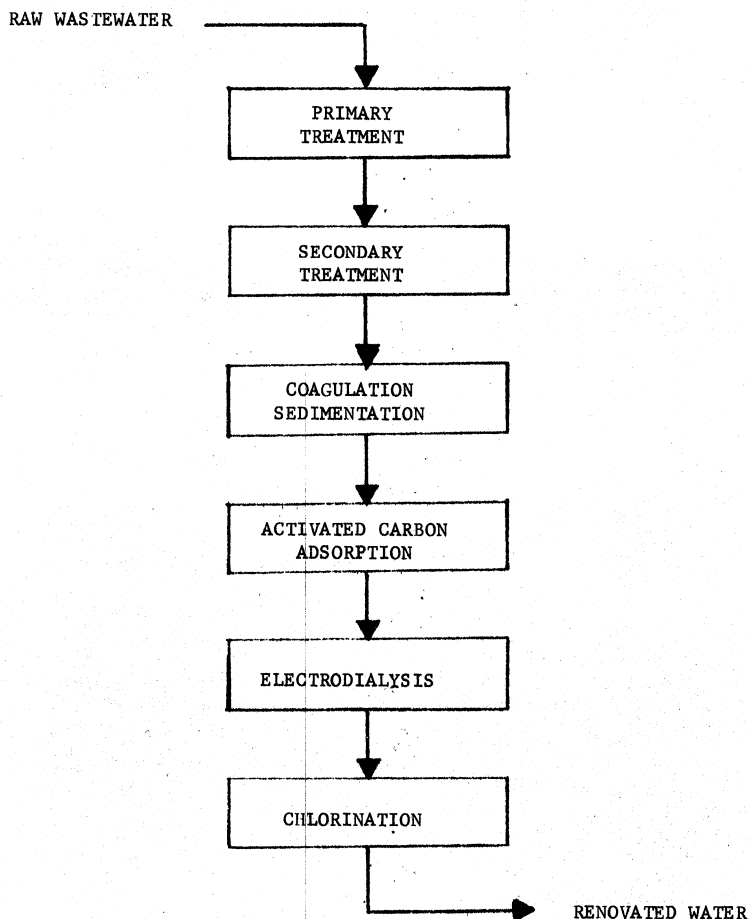


FIGURE 15