

Pilot Plant Testing

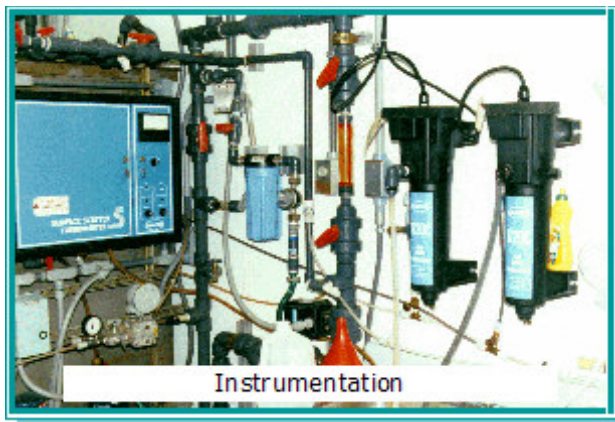
A Prudent Investment in Plant Design

In a quest for supplying improved quality water to the public, several cities are turning to pilot plants to help evaluate and optimize water treatment processes.

A pilot plant is a small scale plant that duplicates the key process features of a full scale plant. This allows for easy monitoring, analysis, and modification of treatment processes. Pilot plants can help optimize chemical use, filtration rates, and other operating parameters.

As water supply specialists, Progressive Consulting Engineers, Inc. (PCE) engineers are experienced in the use of pilot plants to develop design and operating criteria for plant upgrades and evaluating different types of media for treating a particular water issue.

PCE conducted pilot plant studies for the Cities of Blaine, Brooklyn Park, Champlin, Goodview, Lakeville, Robbinsdale, and the Indian Health Service. The design criteria developed during the pilot studies were used in designing the 10 MGD plant expansion at Brooklyn Park, a new 10 MGD plant in Lakeville, and the upgrade of three (3) filter plants in Robbinsdale, MN. PCE staff experience also includes multiple pilot studies conducted at the Minneapolis Water Works over a one year period. The research resulted in publication of three (3) papers in the American Water Works Association Journal.



Instrumentation



Pilot Filters



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