CLAIMS

1. A system for dynamic processing for water purification, the system comprising:

an inlet to receive water from a source;

a filter stage operative to filter first particles;

a mixing stage operative to receive and coagulate the filtered water;

a spiral stage operative to receive the water and separate second particles from the water, wherein the spiral stage comprises a channel in which separation occurs, having a central inlet, structured to provide continuous flow to a peripheral outlet thereof having a split channel egress with a first single channel egress for effluent and a second single channel egress for concentrate; and

a second filter stage operative to filter third particles from the water.

2. The system as set forth in claim 1 wherein the first filter stage is a screen filter.