

## Britannia Road WPP Filtration Rehabilitation

Summa's broad experience and capabilities in the manufacturing of high quality control panels and supply of instrumentation for use in municipal water / wastewater **process automations systems** in addition to strong project management and timely commissioning lead to the successful completion of the project.

### *Background*

The Britannia water filtration plant commissioned and constructed between 1956 and 1959 is one of two water treatment plants that serve the City of Ottawa. The 23,000 m<sup>2</sup> plant draws water from the Ottawa River and treats an average of about 200 megalitres of water a day.

To rehabilitate the plant and increase efficiency, a major project was undertaken that involved:

- Filter media replacement in 12 of 18 filters
- Control system upgrade for 18 filters
- 2 new industrial blowers, piping and under-drains upgrading the backwash system

Intricate coordination of work with contractors and owner was required to phase and schedule activities around peak seasonal requirements for water supply

### *Scope of Work – Control Panels and Instrumentation*

The goal was to deliver on schedule and on budget to meet and exceed the expectations of this major upgrade project - all work conducted under strict compliance to the City's SCADA Standards

Summa was responsible for manufacturing and commissioning of eleven (11) major PLC panels along with a large number of related local control and communication panels, along with the supply and commissioning of process instrumentation.

PLC: Rockwell CompactLogix

SCADA: GE Proficy iFIX

OIT: Rockwell PanelView+

Instrumentation: Yes

