



CITY OF ELLIOT LAKE

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Klear Blue Technologies USA / Scantron Robotics CA
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I wish to thank SCANTRON ROBOTICS CA / KLEAR BLUE TECHNOLOGIES USA for their outstanding work cleaning the City of Elliot Lake Water Treatment Plant's 25 year old clear well (2200 m³ capacity).

The concrete reservoir (clear well) was built in 1982 and it is the potable water storage area within the water treatment plant. It is a critical component to the treatment process providing the necessary chlorine contact time prior to water entering the distribution system. This reservoir, built with many baffle walls and only two 1 square meter access hatches, would be a confined space nightmare to enter. Also, isolating each half of the clear well for cleaning would pose operational challenges that we were unwilling to tackle. It was important for us to find a method of cleaning and inspecting the well on-line and in service. I came across a potable water robotic cleaning company called Scantron Robotics CA and Klear Blue Technologies USA (North & South America WEDA WATER Robotic Manufacturers Rep.)

Although the baffle walls in the well posed some challenges, the VR-600 cleaning robot and the floating inspection ROV not only cleaned approximately 17 years of accumulated sediment (5 cm– 15 cm thick), it also inspected the clear well on-line (in service). The water/sediment discharge was transferred to a point over 40 meters from the robot. Most importantly, the potable water quality was not impacted during the cleaning process.

The SCR / KBT method of robotic on-line reservoir cleaning and inspection allowed us to clean and inspect the clear well in service while routinely maintaining adequate storage and supply for the City of Elliot Lake residents and emergency services.

Thanks to Scantron Robotics CA, Klear Blue Technologies USA, the Robotic Potable Water equipment, and the ability and technique of the robotic technicians, the cleaning and inspection project was completed in a timely manner. Watching the robotic equipment maneuver around the multiple baffle walls was impressive. The robotic technicians also willingly worked around our schedules and within our safety policies. The project was completed in three eight hour shifts with the reservoir in service, without placing the water quality, our employees or our customers at risk.

Thanks again,

Wade Wiggins
Plants Level 1 Operator – City of Elliot Lake