



Waterco Case Study

Monarco Estate

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a technician with local pool store
Swimart Carlingford



DIGICHEM Plus+ provides automatic control and monitoring of pH, and ORP for commercial pools and spas.

Automated system overcomes cloudy water issue at resort-style complex

With luxury facilities including a tennis court, sauna, spa and swimming pool, gym and beautifully manicured lawns, Monarco Estate is one of the most sought after new addresses in the Sydney suburb of Westmead. The residential complex is positioned as perfect for anyone seeking resort style living in the heart of Sydney.

Just like any luxury resort, Monarco Estate boasts an impressive 300,000 litre outdoor swimming pool. However, it didn't always have clean and clear pool water.

“The challenges this pool poses to the sanitisation process is that the bather load can increase from 10 people to few hundred very quickly,” explains Steve Emett, a technician with local pool store Swimart Carlingford, which services the facility. “So the water would become cloudy when there was a very high bather load, especially if it was combined with hot weather.”

The pool was already fitted with an automated sanitation and monitoring system, but Steve still had to visit the site several times a week to manually dose it with chlorine and acid – and, in some cases, to superchlorinate it after a heavy bather load or bad weather.

The lack of clarity in the water and the need for constant maintenance indicated to the

facility's operators that the system was not adequate for the water and swimmer volume of this particular pool.

However, after installing Waterco's DIGICHEM Plus+ 18 months ago, the situation has improved immensely.

“Since the new system has been put in place, I have not had to dose the pool once,” says Steve. “The beauty of the DIGICHEM Plus+ is that it constantly monitors the water balance and adjusts its dosage to cater to the changing conditions.”

The client also has peace of mind, because the system sends email and SMS notifications to Steve if there are any problems with the water balance. Since the DIGICHEM Plus+ was installed, the residents have commented on how clear the water is all the time, even when there are lots of people in the water.

The other features of the DIGICHEM Plus+ at the pool at Monarco Estate is benefiting from include continuous monitoring and control of pH, ORP (Oxidation Reduction Potential), optional 28 day control and a super-chlorination function.

“The system is very reliable,” says Steve. “It sure makes my job easier!”