

Controlling Chloramines in Pools & Spas with Reactive Water

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Reactive Water Pty Ltd

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Commercial Demonstration

Pool Patrol are the largest independent pool servicing company in South Australia

Their founder and managing director led a commercial demonstration in January 2023 to validate the role of Reactive Water technology in reducing Chloramine levels in pools and spas.

“Chloramine is a concerning and difficult to remove contaminant in pool and spa water.”

Chlorine is used in pools and spas to kill germs, but when it binds to the body waste swimmers bring into pools (for example, sweat and urine) it can form chemicals called Chloramines.

Chloramines in the water irritate our skin, eyes, nose and respiratory tract. They also ‘off-gas’ from the water and accumulate in the air around the pool which is particularly concerning for indoor pools, hotel pools and aquatic centres.

Chloramines can also contribute to corrosion of metals around the pool.

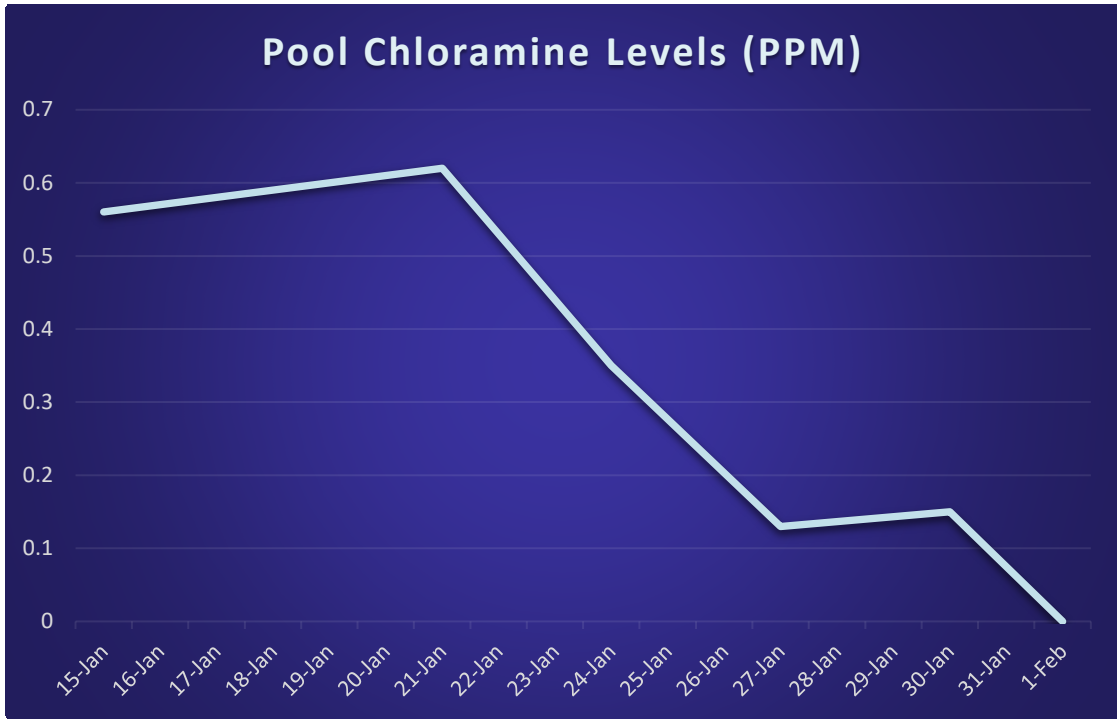
Removing Chloramines from pool and spa water is very difficult, and may require the addition of 10 times the normal chlorine dose to clear the contamination. This comes with challenges of its own.

The Pool Patrol team retro-fitted a Reactive Water commercial single pass water processing unit to the filtration system of a client’s pool in suburban Adelaide.

The pool was serviced regularly by the Pool Patrol team and the measured Chloramine level at the start of the demonstration was 0.56 PPM

This technology is a game-changer for both the health and experience of pool & spa users

The Reactive Water unit was activated on January 15, 2023 and Chloramine levels were monitored in the pool water every three to five days over the following 2 week period. The results are shown below.



The dramatic & absolute removal of Chloramines without the use of hyper-chlorination or expensive alternative oxidizing agents confirmed Reactive Water's unique ability to address concerning level of Chloramines in pools.

This approach offers significant benefits to both the experience & health of pool and spa users.

In addition, the following benefits were observed:

- An uplift in water brilliance
- Removal of Calcium based scale on tiles & grout
- Reversal of brown staining of plastics in skimmer & filters
- Removal of calcium scaling of plates in the pool chlorinator unit
- Reduced reliance on chemical sanitization & stabilization of pool and spa water

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