

Hong Kong University of Science & Technology

Outdoor Swimming Pool

The Site:

The outdoor swimming pool has three sand filters, two carbon filters and one ozonator. The ozonator broke down regularly, whenever the temperature in the operating room was too high.

The Ozonator was used because management wanted to reduce the chlorine dosage from 3ppm to 1ppm. Back washing frequency of the sand filters was weekly and the carbon in the carbon filters was replaced every two years.

Three HydroPath units were installed. The ozonator was switched off and the carbon filters were by-passed.



Result:

With the assistance of HydroPath, the free chlorine dosage was maintained at 1ppm even without the ozonator and the University now extended the backwash frequency to once a month. It was noticed that the chlorine usage was reduced by 30%.

Without the ozonator, there was no need to maintain air conditioning in the pump room. It was estimated that the university **recovered its investment within 9 months**. The pool water was tested weekly and no bacteria were found.