

# Blackpool Sandcastle

The Blackpool Sandcastle is one of the busiest pools in the UK. It has waves, flumes, bubblers etc. The water treatment was sodium hypochlorite, ozone and carbon dioxide. During busy periods it was difficult to maintain a chemical balance, particularly in the wave pool, and there was corrosion of stainless steel fittings. The POOLCURE system replaced the ozone system in January 1996.



## Summary of the POOLCURE System trial at the Blackpool Sandcastle

1. Total savings were £17,100 in the first year.
2. The running cost of the POOLCURE System was £8,750 for the first year including all training, test reagents and technical support.
3. Control of sanitiser levels, particularly in the wave pool, stabilised which improved the sanitising at the busiest times.
4. There was less corrosion of stainless steel in the pool hall.
5. Water clarity and colour was an improvement on previous seasons.
6. As less than half the chemicals were added to the pool it was much easier to maintain Total Dissolved Solids of 1500ppm

## Savings

1. All the carbon dioxide was saved – £5,000 per year.
2. The sodium hypochlorite usage was halved as the carbon layer in the filters (which destroys hypochlorite as well as ozone) was removed and none was wasted in forming smelly chlorine compounds, saving £2,747 per year.
3. The ozone generators were switched off saving their entire electrical consumption which was 55KW at 2.5 pence per kilowatt hour. They ran for 210 days 24 hours per day saving £6,930 per year.
4. As the ozone generators were switched off, there was no need to maintain them or replace the carbon layer saving £2,500 per year.

**Total Pool Chemicals Ltd**  
Unit 5 Pool Bank Business Park  
High Street  
Tarvin  
Chester  
CH3 8JH  
01829 740290  
[www.totalpoolchemicals.co.uk](http://www.totalpoolchemicals.co.uk)  
Email:sales@totalpoolchemicals.co.uk