

Case Study: AQUA NATURA Benidorm, Spain



Project ID:

Company:	TERRA NATURA SA www.terrannatura.com
Location:	Spain, Benidorm
Year:	2014
Description:	Manual dosing of ACO in a big waterpark (6000 m ³)
Goals:	Reduction of chlorine demand, improvement of the water clarity, less combined chlorine

Problems:

- Combined chlorine too high (0.3 – 0.4 ppm)
- Very high turbidity (1,2 NTU)
- High chlorine demand (16l/m³ per Year)

Actions:

- Manual dosing of ACO (1l per 100m³ every week): ACO is a highly innovative, ecofriendly product that disinfects water by amplifying the natural disinfection power of the sun. ACO also protects chlorine from sunlight and UV.

Result:

- 30% less chlorine demand compared to the year before. That's a saving of 29'000 ltr NaOCl per year.
- The turbidity was reduced by 40%.
- 50% less combined chlorine.

	Before	After
Combined chlorine (ppm)	0,3 - 0,4	0,12 - 0,2
Chlorine consumption per year	96'000l NaOCl	67'000l NaOCl
Turbidity (NTU)	1,2	0,7

