

### 3.14 Silverlake Recreation Center Swimming Pool

**Date:** 2006

**Country:** USA

**Keywords:** Backwash, swimming pools, chlorine

**Filename:** FieldTest Silverlake Pool.pdf

The purpose of the test was to determine the savings that could be made with *AquaKLEAR*, reducing in chemical usage and the improvements to the clarity of the water.

#### Method of testing

A set of data was taken for a two week period November 3-13, 2006. This was compared with data from the previous year to check it was typical. *AquaKLEAR* units (a P100 and a W63) were put in place and data was collected from November 13-26 with the units operating.



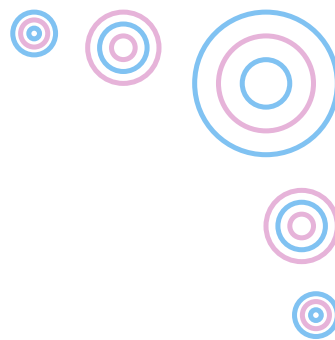
**Figure 3.16:** Images of Silverlake swimming pool, which achieved a reduction in backwash of 80% using two *AquaKLEAR* units.

#### Results

The results of the test are shown very clearly on page 2 of the report in the form of savings. For instance, the duration of each backwash was reduced from 5 mins to 1 min, leading to a **reduction of the total backwash and sewage costs of 80%**.

Including chemical and heating costs, the total annual savings amounted to \$14,166.

In addition, operators of the pool noted a increase in the clarity of the pool water and a reduction in the “swimming pool smell” due to chloramines.



### 3.15 Marriot Beach Club Swimming Pool

**Date:** 2005

**Country:** USA

**Keywords:** Clarity of water in swimming pools, backwash, chlorine smell

**Filename:** FieldTest Marriot Pool.pdf

A test was performed by the “Year Around Pool Company” on their cloudiest, most problematic pool. This pool was known as the “Ghost Pool” because it was always cloudy and never clear!

#### Method of testing

An *AquaKLEAR* P160 was fitted to the pool and the results monitored for a 30 day period.



**Figure 3.17:** Images of Marriot Beach Club swimming pool, which before treatment with *AquaKLEAR* was known as the “ghost pool” due the cloudy water. The water was completely cleared after three days treatment with *AquaKLEAR*.

#### Results

- After 3 days, the pool was clear for the first time.
- The grout lines on the tiled pool floor could be seen.
- After 5 days, the auto-chemicals were re-adjusted.
- After 7 days, there was still no sign that a backwash was necessary.
- The pool previously required backwashing once per day.

Treatment with *AquaKLEAR* meant that the chemical use could be reduced by about a half, and the backwashing was reduced by 75%.