

DECORATIVE POND INSTALLATION

The Installation: Disinfection of a Pond size 53m² with a volume of 16m³ of water in front of an office building.



The Pond

Before Treatment



After - treatment



The Problem:

The pond had become heavily infested with Algae and was an eyesore in addition the oxygen levels in the pond had fallen due to anaerobic bacterial activity creating an unpleasant smell.

The picture below shows stones with a layer of algae.



Attempts had been made with shock dosing of high concentrations of chlorine based chemicals and manual removal of the Algae but this was only effective for a short period and extremely costly.

The Solution:

A 40 liter generator was installed dosing directly into the pond to achieve an ORP in the 450-500 mv range this required the unit to run for 4 hours (160 liters) per day initially due to the high biological load. After 3 months the level of dosing was reduced to 2 hours per day (80 liters Neuthox)

The Results:

As can be seen from the after picture the pond now remains clear of algae – and as the kitchen staff said, “Even the frogs coming back now!”

The Benefits:

- **Safety**
 - no need to mix or dilute hazardous chemicals
 - environmental friendly solution
 - staff do not need to handle chemicals, only Salt tablets

- **Efficiency**
 - elimination of algae
 - nice look and better smell of cleaner water
 - right dosage, no more shock dosing

- **Cost reducing**
 - the system is fully automatic and only requires minimal operator attention
 - no need for transport, handling or storage of chlorine gas or hypochlorite