



Breathing New Life Into Your Water Course

Specialists in pond or lake cleaning and refurbishment. Removal, treatment and control of algae, pond and bank weed, silt pumping and dredging.

Northern Sewage Works Case Study

CASE STUDY—Sewage Plant



The Challenge

A northern based sewage plant had an issue with weeds and vegetation growing on the dome covers of the aeration tanks. The grass and weed had colonised on the tanks and were damaging the blades of the fans that machinate and oxygenate the waste water as it fell into the tanks during the treatment process.

An appropriate solution to the problem was difficult to find as the metal domes would not bear the weight of a person or machine, and any vegetation being removed would fall into the untreated water causing damage to the aerators. Accessing the domes would also be hazardous due to the high speed of water flowing around the aeration basins.

The health and safety issues of dealing with a tank holding 26 million litres of sewage were also considerable.

The Solution

Aquatic Solutions were able to use their amphibious Truxor DM 5000 to overcome the issue of access.

To overcome access issues, the lightweight Truxor machine was craned into each section of the sewage plant. Using various tools attached to the Truxor, the operator moved in the water alongside the domes and was able to cut and remove the vegetation, depositing it into a skip that was also lifted into position by the crane.

The Result

The aeration blades were shut down, The AS team were able to completely clear the domes of all vegetation and safely remove it from the site.

Full functionality was restored to the aeration tanks.



About us and the Truxor



The Amphibious Truxor Machine

This is an extremely lightweight, manoeuvrable machine capable of working in the tightest and most challenging of aquatic environments. Able to turn on its own axis and weighing less than 1,400 kg it is ideal for SSSI sites, golf courses, stately homes, private properties and public parks. Its ability to work on or off water makes it ideal for a site where public access cannot be limited or where larger terrestrial machines are not suitable. With a wide range of tools available it is ideal for a variety of tasks within the water. The machine is towed by a 4 x 4 on a flatbed trailer and the Truxor can drive itself to the water over the land.

- **Engine:** Daihatsu 35 hp diesel, Environment Class Euro 2
- **Dimensions:** Length 4.7 m, Width 2.06 m, Height 2.1 m
- **Hydraulic oil:** Biodegradable

Attachments Available;

- Cutter Basket
- Large Cutter Bar
- Heavy Duty Cutter
- Collection Rake
- Clamshell Bucket
- Silt & Dredge Pumps
- Excavator



Services Aquatic Solutions UK offer;

- Complete Aquatic Weed Control
- Silt Pumping and Dredging
- Pond and Lake Restoration
- Reed and Bulrush Control
- Water Lily Control
- Algae and Blanketweed Control
- Aeration
- Invasive weed control;
 - Japanese Knotweed
 - Himalayan Balsam
 - Giant Hogweed
 - Horsetail



Some of our customers



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