

Alpha Skimmer Solves Sewage Scum Problem

Although the Alpha skimmer was originally designed for removing oil from the surface of water, its versatility continues to prove useful for various effluents other than oil.

- ➔ Sewage tank before skimming cycle



At a sewage facility in New York City, difficulty was encountered with a very thick scum forming on the surface of the aeration tanks. The scum - caused by filamentous bacteria - occurs mainly in hot or dry weather and though much of it settles out in time, the residue forms a thick layer which interferes with aeration.



- ➔ During skimming cycle

As a trial, the 2" and 3" Megator Alpha skimmers were used, to determine which would be the most effective.

The Alpha Skimmers were placed on the surface of the aeration tank and the center weirs were adjusted to efficiently skim the surface material.

The larger weir diameter and suction hose of the 3" skimmer proved to be more effective, particularly with the thick scum.

After only a few days, the surface was clear of all sewage scum.

A Stainless Steel Alpha Skimmer can be arranged for gravity flow in new construction while the complete Recovery Units are utilized for existing tanks as illustrated in this case study.



➤ Sewage tank during skimming cycle

➤ Sewage tank after skimming cycle



➤ Pump units

Equipment Used

- Megator L200/L150 self-priming sliding shoe pumps
Max. Capacity – 10/6 m³/hr
Total head – 3 Bar
Max. suction lift – 6 m

- Megator Stainless Steel 2" & 3" Alpha skimmers complete with 10ft of non-floating hose and 20ft floating suction hose



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