Phosphate reduction without chemical dosing

Marsh Phos-Lite is a groundbreaking product designed to efficiently remove phosphate from wastewater.

Utilising a unique adsorption process, Phos-Lite binds phosphorus to the surface of its media, which is composed of naturally occurring elements. This ensures long-term performance across varying flow rates and influent concentrations.

Recommended for up to 35PE (population equivalent), Phos-Lite is fully scalable to meet larger demands.

Achieves phosphate levels of 0.2mg/l

The plant is engineered for maximum retention time, guaranteeing stable, low effluent phosphorus concentrations certified by PIA GmbH at **0.2mg/l.**

Economic and efficient

With an electrical consumption of just 0.03 kWh/d, Phos-Lite operates at very low cost.

System flexibility

This innovative tertiary treatment solution seamlessly connects to the outlet of both new and existing treatment plants.

Enhanced effluent quality

Phos-Lite not only excels in phosphate removal but also significantly reduces other key effluent constituents.

The Marsh Nutra-Lite treats effluent to the following standards:

BOD: 4mg/ltr
Suspended Solids: 11mg/ltr
Ammonia: 0.5mg/ltr

When the **Marsh Nutra-Lite** and **Marsh Phos-Lite** are combined, the effluent quality is further improved to:
BOD: 1.62mg/ltr
Suspended Solids: 4.3mg/ltr
Ammonia: 0.38mg/ltr
PTot: 0.26mg/ltr
TNb: 10.5mg/ltr
Test results achieved when the **Marsh Ensign:EL** and **Marsh Phos-Lite** are combined is as follows:

COD | 56.1% | 23 mg/ltr
BOD | 59.5% | 4 mg/ltr
TNb | 5.5% | 29.6 mg/ltr
NH4n | 24% | 0.4 mg/ltr
Ptot | 95.9% | 0.2 mg/ltr
SS | 61.1% | 4 mg/ltr

