



Phosflow™ pellets

Adsorb phosphorus from flowing freshwater systems with Phosflow™

Phosflow™, developed with the U.S. EPA through a cooperative research and development agreement, adsorbs phosphorus from water upon contact. This pelletized product is made from naturally occurring mineral materials. It is non-hazardous, insoluble in water and non-toxic to aquatic plants and wildlife. Phosflow has high phosphate adsorption capacity (~ 81 mg/g), long service life, and once saturated, it can potentially be recycled as a soil amendment. It is used as a filter media to remove phosphorus from a variety of natural environments involving flowing water such as lakes, streams, drains and channels. It can also be used in artificial environments including treatment of waste effluents such as municipal wastewater and processing effluents.

The product is highly complementary to PET's own patented technology so it can be used in conjunction with Phoslock® to provide a long-term solution to control phosphorus pollution in freshwaters.



- MUNICIPAL AND INDUSTRIAL WASTEWATER TREATMENT
- WATERWAYS RESTORATION
- STORMWATER MANAGEMENT
- LIVESTOCK RUNOFF
- AGRICULTURAL RUNOFF

Partnering to return waterways to good health



Bringing trusted and proven water remediation technologies
 Delivering seamless, end-to-end water management solutions
 Protecting the environment and enhancing water quality

Contact



PHOSLOCK ENVIRONMENTAL TECHNOLOGIES

To learn more about the difference our products can make to freshwaters, visit www.petwatersolutions.com.

You can also contact us at enquiries@phoslock.com.au



ONSITE

Visit our website at www.onsite.co.uk to learn more about our offerings.

For inquiries and further information, please contact us at **01905 340 054** or email us at steveovington@OnSite.co.uk.



petwatersolutions.com



ssi-services.co.uk



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Partnering to return waterways to good health



SSI SERVICES

SSI Services is the specialist contracting division of South Staffordshire Plc and the delivery partner for Phoslock® and Phosflow™ in the UK. Operating throughout the UK, SSI Services offers engineering and asset management expertise to service utilities, environmental organisations, and the commercial and industrial sectors. Through consultation, design, installation, testing, repair and ongoing maintenance, SSI Services enhances the resilience of critical infrastructure.

ssi-services.co.uk



ONSITE

OnSite is a leading provider of specialist contracting services in the UK. With a proven track record in the maintenance of inland water bodies and drainage networks, OnSite has become a partner of choice for waterway, river, reservoir, and canal owners and operators.

The OnSite team has a vast amount of experience in, but not limited to:

- Installation, repair and maintenance of waterways assets and infrastructure
- Installation and use of smart water management systems and sensors
- Deployment, installation, and management of temporary dams
- Delivery of drainage and culvert; installation, replacement, repair, rehabilitation, maintenance and inspection
- Management and delivery of environmental impact projects

As a trusted partner with worldwide technology suppliers and innovators, OnSite is the ideal deployment partner for Phoslock® and Phosflow™ throughout the UK.

onsite.co.uk



PHOSLOCK ENVIRONMENTAL TECHNOLOGIES

Phoslock Environmental Technologies Limited (ASX: PET) specialises in engineering solutions and water treatment products to remediate polluted lakes, rivers, canals and drinking water reservoirs.

Headquartered in Melbourne, PET has offices globally including in Woking (UK) and Casper, Wyoming (USA). PET also has registered entities in Canada and Belgium, and manufacturing and sales operations based in Changxing (China). PET is represented by licensees, distributors and agents in numerous other countries including HydroScience in Brazil.

Phoslock® is a proprietary and unique water treatment product that permanently binds excess phosphorus in the water column and sediments. Phosflow™ safely removes phosphorus from freshwater sources including stormwater, agricultural runoff, and municipal wastewater.

petwatersolutions.com



Manage freshwater phosphate pollution effectively with Phoslock®

Phoslock® is a proprietary and unique water treatment product that permanently binds excess phosphorus in the water column and released from lake sediments, enabling it to settle in an environmentally benign state. It was originally developed in the 1990s by the Australian National Science Agency (CSIRO).

Phoslock consists of lanthanum-modified bentonite. It utilises the ability of lanthanum to react with potentially releasable phosphate primarily from the sediment but also with phosphate in the water column during application. The binding of lanthanum and phosphate forms a naturally occurring, non-toxic, inert mineral called Rhabdophane, which does not release phosphate back into the water column once bound.

Phoslock has been applied to more than 300 water bodies worldwide, reducing in-lake phosphorus concentrations in more than 20 countries. Scientific evidence shows that Phoslock does not pose any risk to freshwater biota or have any human health related risks.

