



ASX Code: **PHK**

Share Price: **A\$0.21**

52 Week High: **A\$0.24**

52 Week Low: **A\$0.068**

Issued Shares: **479.3m**

Market Cap: **A\$101M**

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[www.phoslock.cn](http://www.phoslock.cn)

PHK BLOG on Water Issues:

[www.phoslock.com.au](http://www.phoslock.com.au)

# ASX ANNOUNCEMENT

**Tuesday 12<sup>th</sup> December, 2017**

## PWS COMMENCES LARGEST EUROPEAN APPLICATION OF PHOSLOCK

Phoslock Water Solutions Limited : (ASX: PHK) wishes to advise that it has won a tender valued at more than \$1.3 Million to treat Lake Goldap in North Western Poland. The contract was signed in late November and treatment is now underway.

The lake, which has a surface area of more than 130 ha, is being treated with 300 tonnes of Phoslock in two stages - winter 2017 and spring 2018.

An unusual element of this application is that the lake covers two countries - Poland and the Russian Federation, with the international border transecting the northern part of the lake. Approximately three-quarters of the lake is in Poland and one quarter is in Russia.



*Aerial view from drone of application to Lake Goldap in North Western Poland*

The Russian part of the lake is located downstream from the Polish area and, while only Polish territory is being treated, consent has been obtained from the Russian authorities who will naturally also benefit. Goldap is located in a remote area of Poland and attracts thousands of tourists each year.

The project is funded by the European Union and the local municipality and is the largest application of Phoslock in Europe to date.



*Due to early sunset around 3pm, the application continues under lights.*

**Mr Laurence Freedman AM**  
Chairman

**Mr Robert Schuitema**  
Managing Director

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## PHOSLOCK WATER SOLUTIONS LIMITED (PHK)

Phoslock Water Solutions Limited is listed on the Australian Stock Exchange (ASX Code: PHK).

PWS is an engineering and treatment products company for water remediation.

PWS recently formed a new company, Phoslock (Beijing) Environment Engineering Technology Co., Ltd to focus on engineering solutions for water environment projects as well as water remediation products such as Phoslock, zeolites and other solutions. Phoslock Beijing undertakes design, engineering, implementation and use of remediation materials for river, canal and lake projects. This is a significant broadening of the historical PWS business and enables it to undertake a broader array of projects in China and elsewhere, supplying both services and materials.

PWS has a large multi-purpose factory in Changxing, Zhejiang province, China, 150km inland from Shanghai, which manufactures its patented technology, *PHOSLOCK*, along with specialised other water treatment products.



PWS is headquartered in Sydney, Australia with offices in Brisbane, Beijing & Changxing, China and Bremen, Germany. PWS is represented by licensees, distributors and agents in ten other countries including SePRO Corporation in the United States, HidroScience in Brazil and Bentophos across the E.U.

PWS has four marketing and co-operation agreements in China with environmental remediation companies.

For more information about PHOSLOCK Water Solutions and *PHOSLOCK* please visit our websites: [www.PHOSLOCK.com.au](http://www.PHOSLOCK.com.au) or [www.PHOSLOCK.eu](http://www.PHOSLOCK.eu) (Spanish, Italian, Dutch and German) or [www.PHOSLOCK.com.br](http://www.PHOSLOCK.com.br) (Portuguese) or [www.PHOSLOCK.cn](http://www.PHOSLOCK.cn) (Chinese).

**PHOSLOCK BLOG** on PHOSLOCK news and current Water Issues – see [www.PHOSLOCK.com.au](http://www.PHOSLOCK.com.au) and look for PHOSLOCK BLOG icon in top right corner of the Home Page.



## ABOUT PHOSLOCK – the Product

PWS produces *PHOSLOCK*, a patented technology developed by the Commonwealth Scientific and Industrial Research Organisation (“CSIRO”). PHK has lodged a subsequent patent application to extend and protect the core PHOSLOCK technology which is in an advanced stage of being granted in some 50 countries.

*PHOSLOCK* is a unique water treatment product that permanently binds phosphorus in water bodies such as lakes and dams. It provides a protective permeable layer to sediments, permanently preventing the re-release of phosphorus.

Retention of phosphorus reduces the level of algae by depriving it of nutrients. This in turn improves water quality, both for human use and aquatic life as well as preventing and controlling Harmful Algal Blooms (HAB).

While *PHOSLOCK* is primarily used as an in-water solution for lakes, drinking water reservoirs and other recreational water bodies, it is also used as a preventative product to absorb phosphorus before it enters water bodies by being applied in storm water basins and inflow channels, rivers and canals.

*PHOSLOCK* is a certified NSF/ANSI Standard 60 product - North American Drinking Water (see websites [ansi.org](http://ansi.org) and [scc.ca](http://scc.ca)). This certification enables PHOSLOCK to be applied to water bodies used for human consumption in the USA and Canada



*PHOSLOCK* has been certified by the Chinese Research Academy of Environmental Sciences (CRAES). *PHOSLOCK* is classified as a general environmental substance which is neither hazardous nor harmful to the environment.



*PHOSLOCK* has been used on many high profile water bodies in Europe/UK, North America and Australia. To date over 300 initial and follow-up applications have been successfully made.

Over 60 peer reviewed scientific and technical papers have been published on PHOSLOCK in leading scientific journals. For access: [www.PHOSLOCK.com.au](http://www.PHOSLOCK.com.au)