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Company Announcements Office
ASX Limited
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Sydney NSW 2000

EGL WATER LODGES PROVISIONAL PATENT APPLICATION

The Environmental Group Limited (ASX:EGL) is pleased to announce that EGL Water has lodged a provisional patent application with IP Australia for its proprietary technology developed for the treatment of PFAS in contaminated water and soil.

HIGHLIGHTS

- A provisional patent application was lodged with IP Australia on 27th November 2020
- The provisional patent application is for EGL Water's proprietary PFAS treatment technology for the separation, and concentration of PFAS (per- and poly-fluoroalkyl substances)
- EGL Water's technology is now in the commercialisation stage for release to the market as a saleable product

The provisional patent application describes EGL Water's development of PFAS separation and concentration technology for the treatment of PFAS contaminated water and soil. Contained within the patent is EGL Water's sub processes of foam fractionation and ionised gas technology, that utilises van der Waals forces to exploit the chemical properties of PFAS. The patent is the product of vigorous research and development advances made with the support, oversight and technical guidance from Victoria University in Melbourne.

EGL Water's PFAS separation and concentration technology is a viable solution for treating PFAS contaminated groundwater, surface water, stormwater, wastewater, and soil. Its versatility positions it in the market as a universal tool for the environmental remediation of PFAS contaminated sites.

The preparation and lodgement of the preliminary patent was undertaken by Nicholas Milne of Patentec, a highly regarded Sydney based Australian firm specialising in patent and trademark law

PRODUCT UPDATE

EGL Water’s ongoing research will continue to contribute to the R&D advances essential to constrain the worldwide detrimental environmental impacts of PFAS.

Trials of PFAS treatment of contaminated groundwater, landfill leachate and soil have yielded positive results.

The main focus for EGL Water is now on the commercialisation of this new technology, and it has been actively pursuing opportunities for the deployment of the technology into the market through selected trials, and by working with prospective clients and state environmental bodies.

EGL Water will adopt an accelerated market entry approach based on a value-added working partnership approach with customers.

EGL WATER’S OPPORTUNITY

The PFAS treatment market is a rapidly growing area driven by increasing environmental regulations as ever mounting evidence emerges of the extent and toxic nature of PFAS substances in the environment and on human health.

EGL believes that these regulations are driving a market need to remediate legacy sites ahead of redevelopment, as well as for the rehabilitation of active sites and , in particular, those that impact human use such as agricultural applications, water ways, residential developments, nature reserves and recreational areas.

EGL Water’s provisional patent application is the first major step in positioning the company as a relevant contender servicing this nascent market.

PFAS RESOURCES

PFAS Management Resources and Guidelines - Australia

Heads of EPAs Australia and New Zealand	<u>PFAS National Environmental Management Plan</u>
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Australian Government	<u>Commonwealth PFAS Taskforce webpage</u>
Council of Australian Governments	<u>PFAS Intergovernmental Agreement webpage</u>
Australian Government – Department of Health	<u>Health Guidance Statements on per- and poly-fluoroalkyl substances</u>

PFAS Headlines 2020

[Mackay anglers fear PFAS will spread from contaminated site to popular fishing spot](#)

[PFAS contamination leads to fears about Jervis Bay drinking water, cultural practices lost](#)

[Queensland beef processor takes court action against Defence Force over alleged PFAS contamination](#)

[PFAS class action lodged in Federal Court after fears water contamination has ruined property values](#)

[Dark Waters: US attorney urges Australians to fight for justice on PFAS](#)

[Gippsland farmer says PFAS exposure from military base caused his cancer, demands Government action](#)

[PFAS class actions over groundwater contaminated by toxic firefighting foam settled by Federal Government](#)

[Some PFAS chemicals are harmful and some are not - here's why](#)

[West Gate Tunnel workers laid off after delays caused by PFAS contamination](#)

[Incineration may spread, not break down PFAS](#)

[Toxic 'forever chemicals' flow freely through this river—and now its fish](#)

[People In 43 US Cities Are Drinking Toxic "Forever Chemicals" In Their Tap Water, Tests Show](#)

PFAS: these "forever chemicals" are highly toxic, under-studied, and largely unregulated

New Jersey Sues Polluters for Contaminating Tap Water with PFAS "Forever Chemicals" at Some of Highest Detected Levels in the World

PFAS Treatment Market News

PFAS management to drive US\$12.1B in water utility spend over next decade

PFAS a 'Burgeoning Crisis' That Could Drive \$3.1BN Treatment Market

Authorised by: The Board

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