

23 February 2023

Company Announcements Office
ASX Limited
Level 4, 20 Bridge Street
Sydney NSW 2000

EGL Water – successful commercial PFAS results.

The Environmental Group Limited (ASX:EGL) is pleased to announce an update on our first commercial PFAS plant. Initial results confirm the removal of all regulated PFAS to below detectable levels.

Key highlights:

- Commercial unit inspected by EPA on site.
- EPA approval for commercial trial unit under the Pilot Project License after inspection.
- Initial PFAS waste processed through plant.
- Results confirm the removal of regulated PFAS to below detectable levels.

Progress update.

EGL commenced testing of our first commercial unit after EPA approval. Initial results have shown all regulated PFAS separated to below detectable levels. Further testing will continue on various levels of PFAS contamination and different waste streams as we continue to optimise the plant.

- The first commercial plant was delivered on time and on budget in September.
- Installation commenced on site late November, with the plant completed by mid January for EPA approval.
- The current pilot licence for PFAS separation trials has been closed with all information provided to the EPA.
- Commercial unit EPA documentation was submitted and approved by the EPA to process PFAS waste streams, 31 January 2023.
- Water testing and pressure testing completed prior to processing PFAS contaminated waste.
- The plant is processing various waste streams with samples collected and sent to laboratories for analysis.
- Initial testing results have shown all regulated PFAS separated to below detectable levels.

- Further testing will continue on various levels of PFAS contamination and waste streams as we continue to optimise the plant.

EGL's Chief Executive Officer Mr Jason Dixon said, "We are very pleased to have excellent results which will enable us to provide data to our clients and commence marketing and sales of our technology".

EGL Water's PFAS separation and concentration technology has now been demonstrated as a viable solution for treating PFAS contaminated ground water, surface water, leachate and wastewater. Research and development will continue into the treatment of PFAS contaminated soils, with trials currently underway using the same technology platform with Victoria University, providing encouraging results.

EGL'S PFAS OPPORTUNITY

Per- and poly-fluoroalkyl substances (PFAS) are a group of man-made chemicals that includes PFOA, PFOS, GenX, and many other chemicals. PFAS have been manufactured and used in a variety of industries around the globe, including in the United States since the 1940s. PFOA and PFOS have been the most extensively produced and studied of these chemicals. Both chemicals are very persistent in the environment and in the human body meaning they don't break down and can accumulate over time. There is evidence that exposure to PFAS can lead to adverse human health effects¹.

Historically PFAS has been widely used in food packaging, commercial household products, including stain and water-repellent fabrics, non-stick products (e.g. Teflon), polishes, waxes, paints, cleaning products and fire-fighting foams (a major source of groundwater contamination at airports and military bases where fire-fighting training occurs). PFAS has also been used by industries such as chrome plating, electronics manufacturing and oil recovery, hence the prevalence in the environment.

The PFAS treatment market is a rapidly growing area driven by increasing environmental regulation as 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 those that impact human use such as agricultural applications, water ways, residential developments, nature reserves and recreational areas.

The separation of PFAS from both water and soil is a key step in removing the substance from contaminated areas and preventing further risks to health and the environment.

This announcement has been authorised by the Board. For further information, please contact:

Andrew Bush Andrew.bush@egl.com.au

Company Secretary & Chief Financial Officer. The Environmental Group Limited

¹ <https://www.epa.gov/pfas/basic-information-pfas>

For personal use only

About EGL

EGL has five business units, all committed to the protection of the environment by improving air quality, reducing carbon emissions, enhancing waste treatment, and lifting water quality.

- **Total Air Pollution Control** has a range of technologies which reduce dust, odours, and harmful gasses from the environment.
- **Baltec IES** produces inlet and exhaust systems for gas turbines, which are used to complement and augment solar and wind energy production.
- **Tomlinson Energy Service** offers a network of service offices across Australia providing 24/7 service, maintenance and repairs of both proprietary equipment and other OEM equipment. The division also provides an essential link in our strategy to build a bio/waste to energy platform.
- **EGL Water** division continues to develop our patented technologies in conjunction with Victoria University. EGL recognises that one of the world's most valuable assets is water and will persist in our vision to reduce water pollution, leading to an improved environment, through low-cost technology solutions.
- **EGL Waste Services** provides the sales and services platform for the exclusive Turmec Agency agreement in Australia, Turmec are specialists in recycling solutions for the global waste industry, providing bespoke systems that enable their customers to efficiently recover high-quality material from waste, reducing the need for landfills.