

FURTHER SPARC PFAS ADSORPTION TESTING DEMONSTRATES CONTINUED OUTSTANDING RESULTS

HIGHLIGHTS

- ▶ **Additional testing further to previously announced positive results demonstrates consistently higher performance than industry-leading activated carbon**
- ▶ **Supplementary assessment validates the repeatability of Sparc's methodology and underpins discussions with industry players for potential deployment**

Sparc Technologies Limited (**ASX: SPN**) (**Sparc** or the **Company**) has completed additional testwork in relation to Per- and polyfluoroalkyl substances (**PFAS**) adsorption testing technologies using proprietary Polyamine-modified reduced Graphene Oxide (**PArGO**) adsorbent. PArGO has again demonstrated consistently higher performance than an industry-leading activated carbon (**GAC**) water treatment for all tested PFAS materials.

PFAS adsorption and immobilisation remains a significant global issue, with many large sites around the world subject to substantial PFAS contamination, with currently no viable remediation solutions. Without remediation, PFAS will persist in the natural environment and can cause significant human and animal health issues, where it has been shown to cause reproductive and developmental, liver and kidney, and immunological effects.¹

These additional test results are very similar to the successful earlier round of results previously released and as such demonstrate repeatability of the process methodology which gives Sparc significant confidence with which to progress commercial negotiations. Testing will now commence on remediation of PFAS-contaminated water and immobilisation of PFAS in soil samples.

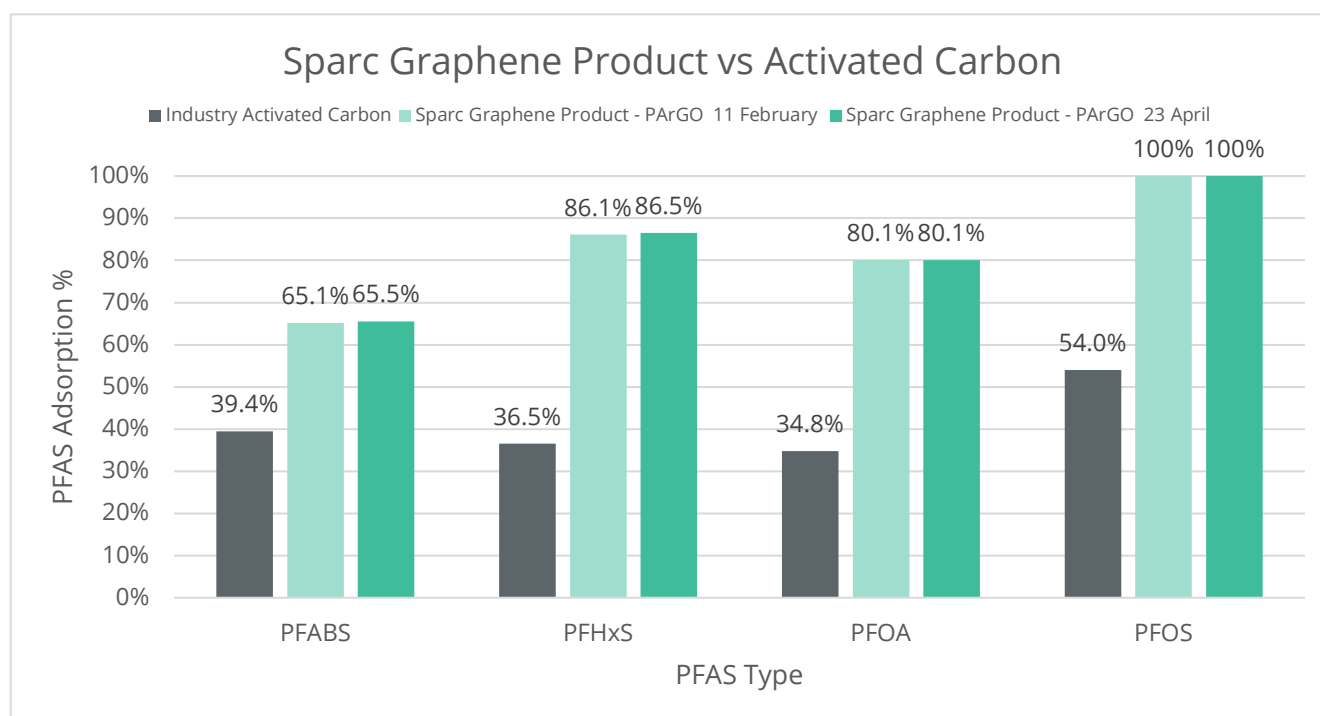
Sparc Managing CEO, Mike Bartels, commented:

"To have repeatability of results is a significant step for Sparc, particularly as we move towards commercialisation and in entering discussions with organisations working with and impacted by PFAS. This is a substantial milestone in demonstrating the effectiveness of graphene in the field."

The Company has now entered discussions with remediation companies and organisations with PFAS issues, with the aim of jointly developing graphene based solutions to adsorb PFAS from contaminated sites.

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

Figure 1: Adsorption rates of various forms of PFAS with Sparc graphene product versus Granulated Activated Carbon



-ENDS-

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About Sparc Technologies

Sparc Technologies Limited (ASX: SPN) is a South Australian based company that is focusing on the development of innovative technology solutions using the unique properties of graphene. Graphene, which can be extracted from graphite, is a 2-dimensional nano material made of carbon atoms arranged in a hexagonal pattern, giving it unique and powerful properties that, with the right technology, can be imparted on products to improve performance. Sparc Technologies has licenced graphene-based technologies from the University of Adelaide, a leading institution in the field of graphene research, and will focus on commercialising graphene-based technologies for large industrial markets for marine and protective coatings, environmental remediation and bio-medical applications.