PFAS Removal Treatment Plants

Southern NSW, Australia

FILTEC
Making Water Safer

Project Snapshot

- **Client:** Veolia
- **Capacity:** 115 kL/day
- **Technology:** Granular Activated Carbon (GAC), Ion Exchange, Solar Power
- **Source Water:** Ground and Surface Water
- **Completion:** 2021

Project Outcomes

- PFAS reduced below detectable limits
- Mobile solar-powered treatment plant
- Containerised solution for rapid installation
- Minimal civil and electrical works
- Modular design for remote communities

End-to-End Ultrafiltration Upgrade and Infrastructure Delivery

PFAS contamination in community drinking water supplies created an urgent need for reliable treatment solutions capable of deployment across remote and infrastructure-limited locations. Communities required safe treatment systems that could rapidly reduce PFAS concentrations while maintaining operational flexibility and minimising installation requirements.

FILTEC designed and built two PFAS removal solutions comprising a fully mobile solar-powered treatment plant and a containerised PFAS removal system. Both plants incorporate advanced Granular Activated Carbon (GAC) and Ion Exchange (IX) treatment technologies to remove PFAS contaminants from groundwater and surface water supplies.

The systems were developed for rapid deployment with minimal civil and electrical works, enabling operation in remote locations with limited infrastructure access. Integrated monitoring and control systems optimise treatment performance and operational reliability.

Commissioning verified PFAS reduction to below detectable limits, providing safe treated water suitable for environmental discharge and supporting long-term sustainable water management outcomes.

filtecwater.com

New Zealand: infonz@filtecwater.com | 09 274 4223
Australia: infoau@filtecwater.com | 1300 FILTEC (345 832)