

Stacey Edwards

Technical Officer

Profile

Stacey trained as a chemical and environmental engineer with experience in water treatment, plant operations, environmental management, contaminated water quality and risk assessments. In her role as Technical Officer she manages and delivers projects that span engineering, environmental and water quality fields.

Her experience includes:

- Development of standard operating procedures and risk assessments for a water treatment plant
- Undertaking scientific and engineering calculations for water supply systems
- Water quality testing and analysis
- Developing and reviewing engineering drawings
- Maintenance of water treatment systems

Professional Experience

Operations of PFAS Water Treatment Plant

Position Held: Evocra Student Engineer

Evocra created and operated a temporary water treatment plant to remove PFAS from contaminated water utilising ozofractionation. Stacey worked on site monitoring system performance and adjusting operations accordingly. She was also involved in system maintenance, optimisation and reconfiguration and the creation of operating and safety documentation.

Professional and Technical Skills

- Use of Matlab/Excel in data analysis
- Understanding of measurements relative to water quality (BOD, TSS, etc.)
- Design and optimization of contaminant removal systems
- Calculations regarding process flow diagrams involving a range of reactions
- Creation of operational procedures and safety documentation
- German language proficiency
- P&ID, PCD and control system design utilizing Visio
- Undertaking extensive research and design projects including a thesis project



Qualifications

- BEng Hons (Chemical and Environmental)

Specialisations

- Water Quality – management, monitoring and data analysis

Work History

2019 – Present

Viridis Consultants Pty Ltd
Technical Officer

2017 – 2018

Evocra as a Student Engineer