

## PFAS AND GROUNDWATER

### Why Is The Workshop Important?

PFAS (polyfluoroalkyl substances) contamination in groundwater and surface-water is a widespread problem throughout the world. Practitioners, regulators and researchers are striving to understand the toxicology, fate, chemical transformation, mobility and remediation of this emerging contaminate. This informative introductory workshop will address the fundamental aspects of PFAS (polyfluoroalkyl substances) contamination in groundwater and surface-water and discuss the current state of knowledge and practice nationally and internationally.

This workshop aims to provide an informational workshop for participants to gain knowledge and practice regarding PFAS-contaminated sites and to provide a forum for key stakeholders to share knowledge across organisations, to identify key knowledge gaps and to discuss collaborative opportunities for research and to build capacity via training on this subject matter.

This highly participative panel discussion will explore opportunities for research collaboration and how to facilitate a national coordinated approach to provide information and the transfer of knowledge to practitioners, professionals and the wider community.

### Who Should Attend?

Practitioners, researchers, regulators, and professionals working within the water sector.

### Program

See over

**Proudly supported by:**



7 March 2019,  
Flinders University – City  
Campus, Adelaide, SA.

Level 1 Room 1

**Price: \$80.00 (incl GST)**

Government employees & Water  
Research Australia members to  
use promo code “PFAS19” when  
registering.

**Price: \$120.00 (incl GST)**

Industry and all other delegates

**Register**

[www.groundwater.com.au/1141](http://www.groundwater.com.au/1141)

**Further Information**

[enquiries@groundwater.com.au](mailto:enquiries@groundwater.com.au)

# PFAS AND GROUNDWATER PROGRAM

TIME	TOPIC	PRESENTERS
8.15	<b>Registrations and coffee</b>	
8.30	<b>Welcome</b>	
8:40	<b>Introduction to PFAS</b> <ul style="list-style-type: none"> <li>• What is PFAS?</li> <li>• Different compounds/main compounds of concern</li> <li>• Which products contain PFAS?</li> <li>• Products still in production/change of usage/material</li> </ul>	<b>Shaun Thomas</b> Team Leader Wastewater EPA
9.00	<b>State of Knowledge in PFAS for water supply utilities</b>	<b>Ian Overton</b> Chief Research Services Officer, Water Research Australia
9.20	<b>PFAS in Australian environments</b> <ul style="list-style-type: none"> <li>• Overview of contamination sites/hotspots</li> <li>• Where does PFAS occur?</li> <li>• Available data on PFAS contamination in Australia</li> <li>• Sites of national significance</li> </ul>	<b>Mick Barta</b> EPA Site Contamination Branch
10:00	<b>People and PFAS /Human Health Risk</b> <ul style="list-style-type: none"> <li>• Toxicology</li> <li>• Human health risk</li> </ul>	<b>Ian Delaere</b> Manager – Toxicology, SA Health
10:45	<b>Morning Tea</b>	
11:00	<b>Mobility of PFAS in the environment</b> <ul style="list-style-type: none"> <li>• Microbial mediated degradation/microbial transformation of compounds</li> <li>• Retardation in soils and aquifers</li> </ul>	<b>Jim Mitchell</b> Professor, Flinders University <b>Ilka Wallis</b> Lecturer, Flinders University
11.45	<b>Sampling for PFAS</b> <ul style="list-style-type: none"> <li>• Practical considerations (GHD Pty Ltd)</li> <li>• Analytics (Enviro Lab)</li> </ul>	<b>Julian Howard</b> Senior Environmental Specialist, GHD  <b>Mohammad Talebi</b> Enviro Lab
12.45	<b>Lunch</b>	
1.45	<b>Remediation of PFAS contaminated sites</b> <ul style="list-style-type: none"> <li>• Suitable methods for remediation</li> <li>• Cost of remediation</li> <li>• Current research on remediation options</li> <li>• Examples</li> </ul>	<b>Justin Chalker</b> Senior Lecturer in Synthetic Chemistry, Flinders University
2:15	<b>Regulation and Legislation</b> <ul style="list-style-type: none"> <li>• Guideline values for PFAS</li> <li>• Regulations in regards to usage</li> </ul>	<b>Clive Jenkins</b> A/Principal Scientific Officer - Water Chemistry, EPA
2.45	<b>Exploring case studies</b> <ul style="list-style-type: none"> <li>• Managed Aquifer Recharge and Stormwater sites</li> <li>• Challenges of PFAS associates</li> </ul>	<b>Tim Gubbin</b> Regulation and Compliance Branch, EPA <b>Julian Howard Senior</b> Environmental Specialist, GHD
3.30	<b>Q&amp;A session and workshop wrap-up</b>	