



Water Quality Advisory Committee Members –Disclosed Interests

Name/Position	Area of Expertise	Declaration of Interest
<p>Professor Frederic Leusch (Chair) School of Environment and Science, Griffith University</p>	<p>Environmental Toxicology; Chemical pollutants in the environment; Endocrine disruption; Bioanalytical tools in water quality assessment; Chemical risk assessment and guideline development.</p>	<ul style="list-style-type: none"> • Deputy Head (Research), School of Environment and Science • Associate Editor (Toxicology) for Environmental Science and Technology (2020-present) • Associate Editor (environmental toxicology) for Chemosphere 2014 – 2018 • Appointments: Health and Environmental Sciences Institute – Animal Alternatives for EDC Testing Workgroup 2014 – present; Project Review Team – Water Research Australia 2012 – present; Board Member – SETAC 2015 – present. • Member of: Australasian College of Toxicology and Risk Assessment; International Water Association; Society of Environmental Toxicology and Chemistry. • Conference organisation: Chair – SETAC Australasia Conference 2012; Co-Chair: Micro Pool & Ecohazard 2011; Organising Committee: EmCon & WiOW 2016 – Emerging Contaminants and Micropollutants in the Environment; SETAC AP 2014; SETAC Australasia 2013; Discussion Leader – Disinfection By-Products Gordon Research Conference 2015. • Committees: Chair of Steering Committee – Bioanalytical Risk Assessment Validation and Experimentation – Australian Water Recycling of Excellence 2015 – present; NHMRC’s Fluoride Reference Group 2014 – 2017; European Commission Seventh Framework Programme – Demonstration of Promising Technologies to Address Emerging Pollutants in Water and Waste Water 2014 – 2015; Water Research Foundation – Screening Endocrine Activity of Disinfection By-Products 2010 – 2014. • Involved in the Commonwealth Games Independent Expert Panel. • Has provided expert advice to Californian and Australian water utilities on recycled water quality and micropollutants of emerging concern. • Published numerous research papers, conference publications, reports and book chapters. • Presentations at international and national conferences, seminars and workshops. • ARC Linkage grants include many water utilities in Australia (including Water Quality Research Australia).
<p>Ms Miranda Cumpston Monash University and University of Newcastle</p>	<p>Evidence-based public health and systematic review.</p>	<ul style="list-style-type: none"> • As part of previous role with the Australian Clinical Trials Alliance undertook activities in collaboration with NHMRC and other partners, including public advocacy in relation to the conduct and funding of clinical trials in Australia. • Editor at Cochrane Public Health, University of Newcastle, which receives infrastructure funding from NHMRC. • Editor of <i>Cochrane Handbook for Systematic Reviews of Interventions</i> and author of other publications that advocate for the use of systematic reviews in policy. • Received Australian Government Research Training Program (RTP) Scholarship to undertake a PhD in evidence synthesis methods at the Research Methodology Division, School of Public Health and Preventive Medicine, Monash University.



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		<ul style="list-style-type: none"> Employed by NHMRC between April and June 2018, contributing to the development of the <i>NHMRC Guidelines for Guidelines</i>. Publications of numerous journal articles. Guest lectures on evidence synthesis and clinical practice guideline development to Melbourne School of Professional and Continuing Education, University of Melbourne (various courses) in 2018 and 2019.
<p>Dr David Cunliffe South Australian Department for Health and Wellbeing</p>	<p>Water regulator, microbiology, risk assessment.</p>	<ul style="list-style-type: none"> Principal water quality specialist with the SA Department for Health and Wellbeing. A regulator with over 35 years of experience dealing with public health aspects of drinking water, recycled water and recreational water. Contributed to a range of national and international guidelines on drinking water quality, safe use of recycled water and recreational water quality. Member of the NHMRC/ARMCANZ Drinking Water Review Coordinating Committee formed in 1998; later a member and then chair of the Water Quality Advisory Committee until the end of 2015. Chair of the working group that developed the Framework for Management of Drinking Water Quality. Member of the Joint Steering Committee for the development of the Australian Guidelines for Water Recycling and chair of the Health Risk and Drinking Water Augmentation working groups. Member of WHO Water Quality Committees since 2001 and current chair of the WHO Drinking-Water Coordinating Committee. Attendance of meetings and associated expert working groups (e.g toxic cyanobacteria). Attendance at meetings on recreational use of water. Contributed to the 2nd, 3rd and 4th editions of the Guidelines for Drinking Water Quality and the Guidelines for Safe Use of Wastewater, Excreta and Greywater. Lead editor and scientific adviser for WHO texts on "Potable Reuse", "Water Safety in Buildings" and "Water Safety in Distribution Systems". Contributed to WHO texts on "Developing Drinking-water Quality Regulations and Standards" and "Legionella and the Prevention of Legionellosis". Member of international expert panels on drinking water quality in Singapore and Hong Kong. Published on drinking water quality, recycled water, desalination, and rainwater quality.
<p>Mr Cameron Dalglish Tasmanian Department of Health</p>	<p>Environmental science, water quality and risk management, auditing, public health.</p>	<ul style="list-style-type: none"> Health regulator for drinking water safety in Tasmania; administering legislation, policy and guidelines. Cover both drinking water quality and fluoridation with a working understanding of the implementation of the ADWG framework. An environmental scientist specialising in water chemistry with 20 years' experience in the water industry. Previously worked across construction, natural resource conservation, environmental management and as a health regulator. Member of the enHealth Water Quality Expert Reference Panel and the National Recycled Water Regulators Forum. Secretariat of the Tasmanian Fluoridation Committee. Publication of journal articles, reports, fact sheets, guidelines and presentations at national conferences, seminars and workshops.



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<p>Dr Dan Deere Independent Consultant Director Water Futures.</p> <p>Visiting Fellow; Water Futures, The University of New South Wales</p>	<p>Water Quality and Risk Management, water and recycled water auditing.</p>	<ul style="list-style-type: none"> • Consultant – Water Futures Visiting Fellow – UNSW • Current projects for: University of Technology Institute for Sustainable Futures 2019 – present; Monash Medical School (DHHS): 2019 – present; University of Bristol, Kathmandu University and Haramaya University (funded by UK Aid): 2020-present; University of Adelaide, (for Seqwater): 2019 – present; University of Adelaide and Australis Consulting (for Central Coast Council): 2019 – present; University of New South Wales, Monash University and Natural Logic (for Water Research Australia): 2019 – present; New Zealand Ministry of Health and Department of Internal Affairs: 2019 – present; Hastings District Council and New Zealand Ministry District Health Board: 2017 – present; Hong Kong Water Supplies Department: 2017 – present; NT Government (Power Water with Department of Local Government, Housing and Community and Department of Health): 2018 – present; NSW Health: 2019 – present; Department of Health and Human Services, EPA and Department of Environment, Land, Water and Planning: 2019 – present; Department of Health and Human Services, EPA and Department of Environment, Land, Water and Planning: 2019 – present; University of Queensland: 2009 – present. • Current major unfunded projects/activities: World Health Organization Guidelines for Safe Recreational Water Environments Working Group; National Health and Medical Research Council Guidelines for Managing Risks in Recreational Water, Water Quality Advisory Committee; COVID-19 technical support for multiple agencies in Australia and internationally on an as needs basis relating to general microbiology and WASH aspects. This to date has been in the US, UK, China, HK, Australia and NZ. • Additional minor funded activities past and present include peer reviews, training, workshop facilitation, regulatory audits of water suppliers for health departments, contributions to research projects and specific technical assessments and validation, with the work mostly related to microbial pathogens. • Occasionally undertakes work for members of the Australian Water Industry as a consultant. This includes Health Departments, Water Agencies and Water Utilities and related to water quality risk assessment and management and other aspects of water quality science. This also involves Water Research Australia: Drinking water catchment source assessment tool; Hong Kong Development Bureau and Department of Health: assessment of risks from using seawater for non-potable uses; NSW Health: support for councils to implement the ADWG Framework; Power Water (Northern Territory): Catchment source water assessments to identify pollution sources; Vic DHHS: Drinking water supply risk management plan regulatory audits for water utilities (funded by the utility but undertaken for DHHS); SA Health/SA Water: Drinking water supply risk management plan regulatory audit for SA Water; Queensland Health: Advising Qld councils on implementing Health-based Targets; NSW EPA and Sydney Water: QMRA relating to biosolids application as part of guideline revision; Vic EPA: QMRA relating to recreational water guidelines; NSW IPART: Drinking water supply risk management plan regulatory audits for water utilities (funded by the utility or IPART but undertaken for IPART); WHO: Western Pacific



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		<p>Regional Office Water Safety Plan Training of Trainers Program for AusAID (DFAT) and UK AID.</p> <ul style="list-style-type: none"> Occasionally provides expert witness statements in court for the interpretation of the Australian Drinking Water Guidelines or Guidelines for Managing Risks in Recreational Water in relation to water quality protection. Member of Seqwater Water Security Program - Independent Review Panel, NSW Health Cryptosporidium and Giardia Expert Panel, the Australian Water Association, the International Water Association and Water Research Australia. Publications include numerous journals and technical reports and presented at international and national conferences, seminars, webinars and workshops. Focus is on providing practical guidance founded in objective, best available evidence for water quality management.
<p>Professor Cynthia Joll Professor, Curtin Water Quality Research Centre, Curtin University</p>	<p>Analytical chemist with a focus on disinfection by-products, both in terms of formation, detection and analysis of the chemicals.</p>	<ul style="list-style-type: none"> 2006 – 2018, Deputy Director, Curtin Water Quality Research Centre, Curtin University. 2019 – Present, Professor within the Curtin Water Quality Research Group, Curtin University. The Curtin Water Quality Research Centre is a Strategic Research Alliance with the Water Corporation of WA. Curtin University is also a research member of Water Research Australia. Chief Investigator on a current ARC Linkage project on nitrogen compounds in wastewater treatment. Chief Investigator on past ARC Linkage projects on disinfection by-products in drinking water systems with partner organisations Water Corporation of WA and Water Research Australia. Future applications to ARC for research support. Publications of numerous journal articles, book chapters and reports.
<p>Professor Stuart Khan Water Research Centre, The University of New South Wales Fellow, Australian Academy of Technological Sciences and Engineering (FTSE)</p>	<p>Trace Chemical Contaminants in Water; Risk Assessment and Risk Management; Environmental Engineer.</p>	<ul style="list-style-type: none"> Lectures at the University of New South Wales on topics closely related to the activities of the Water Quality Advisory Committee and the Recreational Water Quality Advisory Committee including water and wastewater quality and analysis. Works closely with many Australian and international water industry participants including water utilities, health regulators, environment regulators and private consultants. Committee/Advisory member of: WHO – Water Quality and Technical Advisory Group 2015 – present; Water Quality Research Australia – Project Quality Review Team 2012 – present; U.S. WateReuse – Technical Advisory Committee 2015 – 2017; Gold Coast Commonwealth Games Independent Expert Panel – Water Quality and Monitoring Programme 2016 – present; the National Water Grid Advisory Body 2020 – present (The Advisory Body provides independent expert advice to the Australian Government via the Deputy Prime Minister on specific water infrastructure policy, projects and investment priorities). Member of: Australian Water Association; International Water Association; Engineers Australia. Honorary (unpaid) role as an adviser to the Parramatta River Catchment Group. Past Committee/Advisory member of: U.S. WateReuse Foundation – Project Advisory Committee 2010 – 2014; Australian Water Recycling Centre of Excellence – Project Advisory Committee 2011 – 2014; CSIRO and NSW



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		<p>Environmental Trust – Project Advisory Committee 2010 – 2013; South East Queensland Urban Water Security Research Alliance – Project Advisory Committee – Purified Recycled Water Project 2008 – 2012.</p> <ul style="list-style-type: none"> • Consultant: undertook work for members of the Australian Water Industry in relation to water quality. • Provided expert opinion to Water Research Australia on PFAS chemicals. This includes contribution to a current water industry fact-sheet on these chemicals and their relevance to the water industry. In the past, made comments to the media regarding the safety and risks associated with PFAS in drinking water. • Journal Editorships: Associate Editor – Environmental Science – Water Research and Technology; Journal of Water Supply – Research Technology. • Participation in national and international academic and industry conferences. • Publication of numerous journal articles, reports and book chapters; also presentations at international and national conferences, seminars and workshops. • Recipient of research grants from government and non-government agencies – including Australian Research Council and Water Research Australia. Applications for NHMRC funding are much less frequent, but not excluded.
<p>Associate Professor Susan Petterson Associate Professor, School of Medicine, Griffith University Director, Water & Health Pty Ltd Editor, Journal of Water and Health</p>	<p>Quantitative Microbial Risk Assessment Specialist and risk assessment software development.</p>	<ul style="list-style-type: none"> • Associate Professor at School of Medicine, Griffith University. • Director of Water & Health Pty Ltd • Editor: Journal of Health and Water (IWA Publishing) • Consultant to: Viega Plumbing on opportunistic pathogens; the City of Edmonton, Canada – on recreational water; expert testimony for AGL Macquarie on opportunistic pathogens; NSW Health – in drinking water QMRA; Queensland Urban Utilities – applying QMRA to assess overflow impacts on recreational sites. • Advisor for WHO Water Sanitation Hygiene and Health on risk assessment and microbial aspects in water. • Member of the independent peer review panel (human health) for Sydney Water. • Peer Review of QMRA undertaken for recreational water quality at Hunter Beaches for Hunter Water. • Current projects for: Global Water Pathogens Project; Public Health Agency of Sweden 2012 – present; Sydney Water Corporation 2012 – present; NSW Health 2012 – present; WHO 2009 – present. • Past projects for: Government of Alberta, Canada 2013 – 2014; INTARES EU 2011 – 2014; Water Research Australia 2011 – 2013; Swedish Water and Wastewater Association – Stockholm Water Ltd 2011. • Publications on numerous journals and reports; also presentations at international and national conferences, seminars and workshops. • IWES course presentation.
<p>Professor Craig Simmons Fellow, Australian Academy of Technological Sciences and Engineering (FTSE)</p>	<p>Groundwater Hydrology, Hydrological, Environmental, Earth and Applied Engineering Sciences.</p>	<ul style="list-style-type: none"> • Foundation Director at the National Centre for Groundwater Research and Training • Executive Director at the Australian Research Council • Matthew Flinders Distinguished Professor of Hydrogeology and Schultz Chair of the Environment – Flinders University; Fellow of the Australian Academy of Technological Sciences &



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<p>Executive Director for Maths, Chemistry, Physics and Earth Sciences at the Australian Research Council (secondment).</p> <p>National Centre for Groundwater Research and Training, School of the Environment, Flinders University</p> <p>Adjunct Professor, The University of Western Australia</p>		<p>Engineering; Adjunct Professor – The University of Western Australia.</p> <ul style="list-style-type: none"> • Committee member of: Alternate Deputy Chair Statutory Independent Scientific Committee (IESC) on Coal Seam Gas and Large Coal Mining Development; Chair – IESC Research Subcommittee; Deputy Chair of the ATSE’s Water Forum; Chair – Roundtable for Oil and Gas Projects in South Australia; Chair, Alligator Rivers Region Technical Committee; Member – Research Advisory Committee, Goyder Institute for Water Research South Australia; Member – Engineering and Medicine Roundtable on Unconventional Hydrocarbon Development, US National Academies of Sciences; Member – Agency reference Group, Office of Groundwater Impact Assessment, QLD; Member – Steering Committee, SA NRM research and Innovation Network. • Member of: Australian Institute of Company Directors; National Groundwater Association of the U.S.A; International Association of Hydrogeologists; American Geophysical Union; Geological Society of America; Hydrological Society of South Australia. • Editorial boards: Australian Journal of Water Resources; International Journal of Water Conservation Science and Engineering; International Journal of Environmental Modeling and Assessment; Groundwater; Journal of Hydrology; Vadose Zone Journal. • Publications of numerous journal articles, book chapters and reports; presentations at international and national conferences, seminars and workshops. • Honorary Professor Australian National University.
<p>Ms Carolyn Stanford (Consumer Representative)</p> <p>Stanford Marketing</p>	<p>Marketing and Communication</p>	<ul style="list-style-type: none"> • Consultancy fees to Stanford Marketing from Goulburn-Murray Rural WaterCorp for marketing and communication services. • Fees paid to husband’s company by Coliban Water for metal fabrication services. • Development of Goulburn – Murray Water publications. • Development of various guidelines, standards, educational material or fact sheets for Coliban Water 1999 – 2005.
<p>Dr Katrina Wall</p> <p>Water Unit Health Protection NSW Health</p>	<p>Health Regulation, water quality risk management and environmental microbiologist.</p>	<ul style="list-style-type: none"> • Employed by NSW Health as Senior Project Officer in the Drinking Water Risk Management Water Unit, Environmental Health Branch since 2008. Provide water quality advice, policy and regulation for NSW. • Represented NSW on the enHealth Water Quality Expert Reference Panel 2016-2018, providing advice and national guidance on water quality and public health. • Represents NSW Health on the NSW Carp Advisory Group, 2017-current, provides advice and NSW policy position to the National Carp Control Program. • NSW sewage surveillance for SARS-CoV-2 steering committee member. • Corporate member of the International Water Association and WaterRA including participation in project advisory committees, and personal member of the Australian Water Association. • Member of the Project Advisory Committee to Water Research Australia project 1109 Health Based Targets guidance.



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		<ul style="list-style-type: none">• Published journal articles conference proceedings and reports, presented at international and national conferences, seminars and workshops.• Development of various guidelines, factsheets and educational materials on water quality.• PhD supported by AWWARF project 2618 Water quality improvements during ASR as part of the Bolivar ASR Project.
Dr Nick Fletcher (Observer) Food Standards Australia New Zealand	Toxicology and risk assessment.	<ul style="list-style-type: none">• Member of the New Zealand Environmental Protection Agency Hazardous Substances and New Organisms Committee.• Manager Risk Assessment Chemical Safety and Nutrition, Food Standards Australia New Zealand.• Senior Associate (Toxicology) Coffey Environments 2012-2013.
Ms Amy Lea (Observer) Department of Agriculture, Water and the Environment	National Water Policy and Reform.	<ul style="list-style-type: none">• Australian Government national water quality policy.
Mr Adam Lovell (Observer) Water Services Association of Australia (WSAA)	Peak industry body representing the urban water industry.	<ul style="list-style-type: none">• Water Services Association of Australia (WSAA) – Executive Director.• Global Water Research Coalition (GWRC) – Board Chair. The GWRC is a non-profit organisation that serves as a focal point for the global collaboration for research planning and execution on water and wastewater related issues.