George River Water Quality Panel

CVs - Panel

9 March 2010

Professor Michael R Moore (Environmental Toxicology)

Professor Moore is one of Australia's foremost authorities on environmental toxicology and water quality. He is chair of Water Quality Research Australia and is Honorary Professor in 'smartWater' at Griffith University. He was past Director of the National Research Centre for Environmental Toxicology. He is also Emeritus Professor in the University of Queensland, Adjunct Professor in Queensland University of Technology and Adjunct Professor in the Faculty of Science, Sunshine Coast University.

Professor Moore is a registered toxicologist (Eurotox and Institute of Biology, United Kingdom), has a PhD in Medicine and was awarded a Doctorate in Science in the field of biochemistry in medicine. He has trained in Clinical Pharmacology in the Royal Postgraduate Medical School. He was a director of the Australian Centres for Health Risk Assessment and founder member of the Australasian College of Toxicology and Risk assessment.

Professor Moore's research interests include the toxicology of metals, risk assessment, air and water quality, alcoholism, cyanobacterial toxins and disorders of porphyrin metabolism.
His knowledge and expertise is widely sought and he is currently a member of boards, advisory groups and working parties including the Australian Pesticides and Veterinary Medicines Authority Advisory Board, the Advisory Committee on Prescription Medicines and he chairs the World Health Organisation Working Party on Chemicals of Concern.

Doctor Graeme Batley (Water Quality)

Doctor Graeme Batley is a Chief Research Scientist in the CSIRO's Environmental Biogeochemistry research program. His expertise is in the area of the analytical and environmental chemistry of trace contaminants in natural water systems, with particular emphasis on heavy metals and their chemical forms, fate, transport, bioavailability and ecotoxicology in waters and sediments.

Doctor Batley is the former director and co-founder of the Centre for Environmental Contaminants Research (CECR), a program which brings together CSIRO's extensive expertise in research into the contamination of waters, sediments and soils.
Dr Batley was a member of the team who won the Land & Water Australia Eureka Prize for Water Research in 2006 and was awarded the CSIRO Medal for Research Achievement, the same year.

Doctor Batley is a Fellow of the Royal Australian Chemical Institute, Member of the Australasian Society for Ecotoxicology and a Board Member of the Society of Environmental Toxicology and Chemistry (SETAC) Asia/Pacific. He is a member of the Science Advisory Panel of the Sydney Metropolitan Catchment Management Authority and the advisory panel of Sydney Water's Marine Environmental Monitoring Program for the Sydney desalination plant.

He is also a member of the Independent Expert Group on Gunns Paper Mill Project for the Department of the Environment, Water, Heritage and the Arts. He currently chairs the Working Group revising the Australian and New Zealand guidelines for toxicants in waters and sediments.

Professor Jim Reid (Chemistry of Eucalypts)

Professor Reid is internationally regarded for his research on the genetic and hormonal regulation of plant growth. Much of his work focuses on plant development, developmental genetics and plant hormone physiology, as well as ecological genetics and the breeding of eucalypts.

He is the former Dean of the University of Tasmania's Faculty of Science, Engineering and Technology and is the University's inaugural appointee to the position of Distinguished Professor for his outstanding and sustained contribution to his discipline.

Professor Reid was awarded the University's Distinguished Service Medal for his contribution to the creation of three forest-related CRCs. He was Director of both the Temperate Hardwood Forestry and the Sustainable Production Forestry CRCs and is currently on the Board of the Forestry CRC.

He has served on numerous national and international committees and is currently on the Council of the International Plant Growth Substances Association. His work has been recognised by the awarding of the David Syme Research Medal by the University of Melbourne and the Royal Society of the Tasmania Medal. Professor Reid is a Fellow of the Australian Academy of Technological Sciences and Engineering, is an editor/associate editor of three international plant science journals and is an ISI Highly Cited Researcher.

Doctor Christine Crawford (Aquaculture)

Doctor Crawford is the Program Leader Natural Resource Management at TAFI (Tasmanian Aquaculture and Fisheries Institute), University of Tasmania.

She has been involved with shellfish aquaculture research and development for more than 25 years, mostly in Tasmania but also in other Australian states and overseas. Recent research projects on shellfish aquaculture include an environmental risk assessment of shellfish farming and the effects of salmon and shellfish farming on the benthic (sea bed) environment. She is a member of the Editorial Board for the international journal 'Aquaculture'.

Doctor Crawford's present areas of research are Ecosystem Effects of Aquaculture and Estuarine Ecology. They include the effects of finfish and shellfish aquaculture on the marine environment and techniques to monitor impacts, monitoring special and sensitive marine and estuarine habitats, effects of land-based activities on estuarine health including environmental flows, and working with community groups to improve estuarine condition.

She is a former Board member of NRM South, a recipient of the Vice-Chancellors Award for Outstanding Community Engagement and has served on a number of state, national and international committees. She chairs the External Program Advisory Council for the Aquaculture Collaborative Research Support Program, USA.

Doctor Crawford is currently supervising a number of projects including investigating water use across a catchment and effects on estuarine health and productivity, nutrient and phytoplankton data from Storm Bay to support sustainable resource planning, and developing methods for assessment of estuarine health to inform management.

Professor John McNeil (Public Health)

John McNeil is the head of the Monash University School of Public Health and Preventive Medicine based at the Alfred Hospital in Melbourne. His background is in epidemiology, clinical pharmacology and cardiovascular research.

He is currently a member of the boards of the Colonial Foundation, the International Society of Cardiovascular Pharmacotherapy and Water Quality Research Australia. He is a previous member of the Boards of Alfred Health, the Metropolitan Ambulance Service and the Victorian Public Health Research and Education Foundation.

He has been a member of ministerial committees reporting on renal failure services, organ transplantation and medical staff salaries. He also serves on scientific committees for the Red Cross Blood Transfusion Service, the National Blood Authority, the Therapeutics Goods Administration and the Australian Commission for Safety & Quality in Healthcare.

John Ramsay (Convenor)

John Ramsay is the inaugural Chair of Tasmania's independent Environment Protection Authority (EPA) established in July 2008.

He has extensive experience in public administration and environmental management.
Mr Ramsay is director of his own consulting company providing services in health, human services, environment, planning and natural resources. He has also been Secretary of three government agencies and has extensive experience as Chair of state and national councils, committees and advisory groups relevant to environmental management issues.

Doctor Lois Koehnken (Co-ordinating Scientist and Consultant to the Panel)

Doctor Koehnken is a nationally recognised expert on waterways, providing technical advice on water quality issues and interpretation of water quality data to government and industry.
She has more than 20 years' scientific experience in hydrology, geomorphology and geochemistry in rivers, lakes and estuaries. She holds a PhD from Princeton University and has spent her career investigating how catchment activities and changes to hydrology affect sediment movement and water quality in rivers and estuaries. Doctor Koehnken has worked for universities in Australia and Venezuela and environmental agencies in several countries. For the past 10 years she has been the principal of the Hobart-based Technical Advice on Water, a small independent consulting company which provides scientifically-based advice on waterway issues to government, industry and the community.

Her recent work has included the development of toxicity tests for use in the acidic, organic-rich waters common in Tasmania, and investigating the dispersal of historic mining wastes and the availability of metals and other pollutants in contaminated sediments of rivers and estuaries. Other projects include water quality and geomorphic impact assessments of proposed dams in Tasmania and development of environmental flows based on geomorphic and water quality considerations. Doctor Koehnken is currently a member of the Tasmanian Marine Farm Planning Review Panel.