

# Tasleem Hasan

## Senior Consultant

### Profile

Tasleem has 12 years of experience in drinking water quality management, including regulation, process improvement and monitoring. He has been working extensively in regional areas of Australia over the past three years, identifying and discussing key water supply issues and providing advice on potential improvements and regulatory compliance. These not only include engineering solutions but also establishing longer-term management systems for continued quality of service.

Tasleem has also worked extensively in a number of Pacific island developing countries on various high profile WASH projects, including water safety plans, water quality monitoring, water demand management, integrated water resources management, appropriate sanitation technologies and hygiene campaigns.

### Project Experience

#### Auditing

Tasleem is an Exemplar Global certified lead drinking water management systems auditor, is on the Queensland Government panel to provide audit services for water supply plans and is part of the NSW IPART panel for drinking water quality.

Some of the recent projects Tasleem has worked on are as follows:

#### Hunter Water Corporation Audit (2014)

Technical team member, undertook desk-top audit of drinking water management side of Hunter Water Corporation's operational licence for the NSW Independent Pricing and Regulatory Tribunal (IPART).

#### Kooralbyn HACCP Plan (2014)

Internal audit of the Kooralbyn water treatment plant against their HACCP Plan, undertaken with the SEQ Water audit team.

#### Risk Management

Tasleem has been undertaking risk assessments for 10 years and has a broad knowledge on the subject matter.

Some of the risk management projects that Tasleem has worked on include:

#### NSW Health – DWMS Risk Assessment Workshops (2012-2015)

Developed risk-based drinking water management systems (DWMS) for Bellingen Shire Council, Inverell Shire Council, Parkes Shire Council, Armidale Dumaresq Council, Tibooburra Water Trust and Essential Water.



### Qualifications

- MSc (Chemistry)
- BSc (Chemistry and Mathematics)
- Postgraduate Diploma in Chemistry
- Postgraduate Certificate IWRM

### Certifications

- Exemplar Global – Drinking Water QMS Lead Auditor

### Memberships

- Australian Water Association
- AWA WASH Committee
- Small Community Water Supplies Network
- Asia-Pacific Water Safety Plans Network

### Specialisations

- Risk assessment
- Water quality – management, monitoring and data analysis
- Auditing
- Project management
- WASH

### Work History

#### Aug 2012 - Present

Viridis Consultants Pty Ltd  
Consultant (Aug 12 to Jan 13)  
Senior Consultant (Jan 13 to Present)

#### Jan 2012 to Jul 2012

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### Cloncurry Shire Council – Risk Management Review (2014)

Undertook risk review of the Mount Isa Water Board DWQMP risk assessment. This was a review of hazardous events and practices to determine the root cause of any deficiencies in risk management, in relation to the provision of safe drinking water.

### Mount Isa Water Board – Risk Management Review (2013)

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### Management Systems

Tasleem has extensive experience in the development and implementation of management systems for local government, water utilities, private companies and the water industry in general. This work has included:

- drinking water quality management plans or systems
- incident response plans
- standard operating procedures
- water quality monitoring programs
- annual reports
- customer service standards
- reviews

Some of the relevant projects that Tasleem has worked on include:

### NSW Health – Risk-based Systems (2012-2015)

Undertook gap analysis against the requirements of the NSW Guideline, inspected drinking water treatment plants and reticulation networks, investigated new water sources and adequacy of the distribution infrastructure, prepared the risk briefing papers and water quality assessment reports and conducted the risk assessment workshops prior to completing the DWMS. Also, provided technical advice on the effectiveness of the water supply treatments, protection of public health from water related risks, risk management methodologies including HACCP. Risk-based systems have been developed for Bellingen Shire Council, Inverell Shire Council, Parkes Shire Council, Armidale Dumaresq Council, Tibooburra Water Trust and Essential Water.

### Queensland Urban Utilities – DWQMP Review (2014)

Department of Energy and Water Supply  
Brisbane  
Senior Project Officer - Assessment

### Jun 2009 to Nov 2011

Secretariat of the Pacific Community,  
SOPAC Division, Fiji  
Water Services Consultant

### 2006 – May 2009

Water and Sanitation Programme, SOPAC  
Commission, Fiji  
Water Quality Monitoring Programme  
Officer

### 2005 – 2006

Water and Sanitation Programme, SOPAC  
Commission, Fiji  
Water Quality Officer

### 2004 – 2005

Analytical Laboratory, University of the  
South Pacific  
Scientific Officer

### 2003 – 2004

Analytical Laboratory, University of the  
South Pacific,  
Research Assistant

### 2000 – 2002

Chemistry Department, University of the  
South Pacific, Fiji  
Graduate Assistant

## Publications

1. Ozwater 2015. Technical paper – *Overcoming Water Supply Challenges in Parkes Regional Community*. 2015
2. Ozwater 2014. Technical paper – *Improving Treatment Efficiency in the Carpentaria Shire Outback*. 2014
3. Journal Paper – *Assessing Reported Use and Microbiological Performance of a Point-of-use Household Water Filter in Rural Fiji*. 2013. *Journal of Water, Sanitation and Hygiene for Development*.
4. Journal Paper - *Empowering Rural*

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Reviewed the QUU drinking water quality management plan (DWQMP). This involved assessment of water quality data, review of the risk assessment (including inherent or transferred risks) and improvement plan actions.

### **Parkes Shire Council – Operating Procedures (2014)**

Developed standard operating procedures for various treatment and operational processes, including reservoir inspections, reservoir cleaning, mains hygiene, mains repairs, equipment calibration, raw water extraction, catchment inspection, monitoring, and water sampling.

### **Carpentaria Shire Council – Incident and Emergency Response Plan (2013)**

Prepared the drinking water quality incident and emergency response plan for Carpentaria Shire Council. This involved identifying risk management methodologies and processes, incident and emergency levels, actions to be undertaken, reporting requirements and communication protocols.

### **Facilitation**

Tasleem is highly experienced in facilitating risk assessment and drinking water management system implementation workshops, not only in Australia but also Pacific developing countries.

Some of the recent projects Tasleem has worked on are as follows:

### **NSW Health – DWMS Implementation (2013-2015)**

Tasleem facilitated stakeholder discussions on implementation of the DWMS. The workshops were very useful in identifying and overcoming barriers and challenges for effective implementation of the DWMS. Workshops have been undertaken for Walcha Council, Liverpool Plains Shire Council and Parkes Shire Council.

### **Mount Isa City Council – Risk Review Workshop Facilitation (2015)**

Facilitated the risk review workshop to re-assess risk levels, verify current operational practices, verify monitoring data and update the risk register.

*Communities: Simple Water Safety Plans.* 2011. Water Science and Technology: Water Supply journal.

5. Journal Paper - *Implementation of Drinking Water Safety Plans and Lessons from the Pacific islands.* 2011. WaterLines: International Journal of Water, Sanitation and Waste.
6. *Pacific Drinking Water Safety Planning Audit Guidelines.* 2011. Joint Contribution Report. PR25. SOPAC Division, Suva.
7. *Drinking Water Safety Planning and Water Quality Monitoring Training Package.* 2010. SOPAC Secretariat, Suva.
8. *Designing a Drinking Water Quality Monitoring Programme - a practical guide for Pacific Island Countries.* 2008. SOPAC Technical Report 407. SOPAC Secretariat, Suva.
9. *Best Practices Guide for Water Laboratories.* 2007. SOPAC Technical Report 405. SOPAC Secretariat, Suva.
10. *Country Level Implementation. Case Study: The Republic of the Marshall Islands.* 2008. SOPAC Secretariat, Suva.
11. *Contributed to WHO Guidelines for drinking water quality.* 2011. 4th Edition. Name on page 512.
12. *Drinking Water Safety Planning Guide for Pacific Island Countries.* 2008. SOPAC and WHO, Suva. (contributed to)