



Health-Based Targets present drinking water providers the confidence of better understanding their supply system while managing public health risks. The Health-Based Target process informs Drinking Water Quality Management Plans by quantitatively assessing public health outcomes of the supply using a deep understanding of the system, source monitoring and plant performance data. With appropriate guidance on through this process, the implementation of Health-Based Targets can be realised for your supply.

The Health-Based Targets process is founded upon assessing actual performance to provide insight into risks of the supply system. Source water is assessment considers both identified risks in catchment and detention as well as historical microbial conditions of the source water. The Health-Based Target process uses operational monitoring data from filtration, disinfection and other processes to ensure that the proven capability the treatment plant is understood. With a detailed understanding of both source water conditions and treatment capability, public health risks can be understood and managed efficiently.

Viridis Consultants has been consulting to the water industry for 10 years. We work with water utilities, local councils, regulators and private water utilities. Our team of water quality experts comprising of chemists, scientists and engineers can provide a program that will give all stakeholders confidence in your results.

Source Water Assessment

- Sanitary Surveys
- Surface Water Influence Assessment
- Vulnerability Assessment
- Microbial Indicator Assessment
- Quantitative Microbial Risk Assessment

Water Treatment Assessment

- Process Performance Assessment
- Monitoring Program Review
- Plant Performance Monitoring
- Log Reduction Value Determination

Water Safety Assessment

- LRV Shortfall Assessment
- Catchment Management Gap Analysis
- Operational Improvement Assessment
- Treatment System Improvement Identification
- Water Safety Improvement Plans

Supporting Programs

- Process Optimisation
- Plant Validation and Verification
- Capital Upgrade/Renewal Planning
- Operational Guidance and Procedures
- Staff Training

Our Experience:

- Process Assessment for four water treatment facilities in regional Queensland – Building and Asset Services, Department of Housing and Public Works
- Development of a Recycled Water Management Plan and Validation Program for at Luggage Point WWTP – Queensland Urban Utilities
- Independent Audit of the Validation Program for the Western Corridor Recycled Water Scheme – SEQWater
- Independent Audit of Chlorination, RO/NF and Membrane Bioreactor Process Validation for three Water and Waste Water Treatment Plants– Watersecure
- Technical Assessment of Chlorination and RO Process Validation for Luggage Point AWTP - SEQWater
- Technical Assessment of the Non-Potable Water Scheme for Barangaroo South – Lend Lease
- Development and Audit of Drinking and Recycled Water Quality Management Systems throughout Australia.
- Our staff have diverse experience in water treatment, including risk assessment, management systems, performance monitoring, validation, process optimisation, design, commissioning and asset lifecycle management.

Services

- Sanitary Surveys
- Vulnerability Assessment
- Microbial Indicator Assessment
- Quantitative Microbial Risk Assessment
- Water Safety Improvement Plans
- Process Optimisation
- Process Validation
- Capital Upgrade/Renewal Planning
- Operational Procedures
- Staff Training

Process Engineer

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With seven years' experience in the design, construction and commissioning of process plant, Glen is an experienced project manager specialising in the specification, implementation and assessment of filtration and chemical treatment plant.

As an experienced engineer across diverse environments including water treatment, commercial construction and manufacturing, Glen has extensive involvement in risk-sensitive design, design reliability, total cost of ownership, design for construction, commissioning and validation.

Glen also has experience in asset management, including condition assessment, risk assessment and compliance assessment in a range of filtration and chemical treatment environments including water treatment plants, wastewater treatment plants and recreational aquatic environments.



If you would like further information or think that Viridis can help you, please contact us. We are always happy to assist.

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