

# Seqwater Field Operations and Maintenance Services

(reference site only, no longer operated by TRILITY)



## Managing essential bulk water supply assets ensuring reliable delivery to major population centres



TRILITY, in a Joint Venture (JV), operated and maintained the bulk water transport network throughout South-East Queensland (SEQ) under an Operations and Maintenance (O&M) contract with its client Seqwater; providing value adding additional services such as capital expenditure project management, warehousing and logistics, subcontract engagement and management, SCADA system maintenance and engineering services.



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Following the restructuring of South-East Queensland's (SEQ's) public water sector in 2006, the bulk water transfer assets of the regional councils were transferred to LinkWater (the Queensland Bulk Water Transport Authority) which was responsible for all bulk water related infrastructure. In January 2013 the SEQ water grid further amalgamated into the Queensland Bulk Water Supply Authority, trading as Seqwater.

TRILITY, in a two-party equal Joint Venture (JV), operated and maintained the bulk water transport network throughout SEQ under an Operations and Maintenance (O&M) contract with its client Seqwater.

The contractual responsibilities were initially for the then new 85km pipeline (the Southern Regional Water Pipeline (SRWP)) and associated infrastructure linking the Gold Coast desalination plant with Brisbane's water supply network. Following a detailed and extensive programme of incorporating further bulk supply pipelines and the complex integration of five existing SCADA control systems to that established by the JV, the scope of responsibilities included 530km of trunk mains, 22 major pump stations (up to six MW installed capacity) and 26 major bulk water reservoirs.

The O&M services covered all new and transferred assets and specific capital works programmes. Services included in the contract scope, in addition to O&M, included capital expenditure project management, warehousing and logistics, subcontract engagement and management, SCADA system maintenance and engineering services. These services reduced Seqwater costs to the value of \$7m in 2011/12, while also reducing water quality incidents on the network.



**Who**

Seqwater is the statutory authority responsible for the management, O&M of bulk potable water transport pipelines and related infrastructure in SEQ.

**What**

The field (O&M) services for treatment facilities and an infrastructure network of two-way pipelines that move approximately 600 ML/d across SEQ.

This network allows the sharing of water from various sources across the SEQ water grid including dams and the Tugun Desalination Plant.

**Where**

SEQ stretching in excess of 250km from Tugun in the south to Noosa in the north.

**Why**

To support Seqwater in achieving its objective of providing a reliable and safe bulk water transport service that ensures that the water supply needs of the communities are met efficiently, effectively and sustainably.

**Snapshot**

<b>Client</b>	Seqwater
<b>Type of Contract</b>	Operations and Maintenance (O&M)
<b>Facilities</b>	530km of bulk water pipelines, associated infrastructure including 22 pump stations and 26 bulk water reservoirs
<b>Technology</b>	N/A
<b>Design Capacity</b>	N/A
<b>Term</b>	5 years (now complete)
<b>Capital Cost</b>	N/A



**For further information**

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