Gordonbrook Water Treatment Plant Upgrade
Background

- Kingaroy Town Water Supply
- Conventional Water Treatment facility
- Originally commissioned in 1945
- In 2013/14 SBRC directed by Queensland Health to notify community with a do not drink notice, attributed to bromoform
The current plant
The Project

• Upgrade plant to 135 L/s capacity
• Maintain continuity of supply during construction
• Maintain water quality during construction
• Reduce operating manning requirements through automation and monitoring
• Value for money solution
• Key treated water quality performance guarantees
Process Description

- Raw water flow control
- PAC contacting
- Coagulation with pH correction as required
- Flocculation
- Inclined plate settling
- Dissolved Air Flotation in-Filter (DAFF) with biological filtration
- Primary Chlorination and pH correction
Process Description
Notable Features

- Lamella Clarifier
- DAFF
- Provision for future UV
- Use of existing CWT as filtered water and backwash supply tank
- Conversion of existing clarifier to SWS
Project Status

• Proof of performance testing
• Final civil works
• Decommissioning of the old plant