



# The New Girgarre UFT Water Treatment Plant

*Delivering the desired operational outcome using a 'Project Team'*

The Girgarre Water Treatment Plant upgrade forms part of the Goulburn Valley Water 'Small Town Filtration Program

### The drivers:

- Variable Water Quality
- Compliance under SDWA
- Risk management

### The Project team included:

- Neil Healey – Project Manager/Supervisor
- John Day – District Manager
- Jamie Madgwick, Darryl Johnston – Operators
- Peter Roberts – Senior Engineer GWV
- Ryan McGowan – Manager IT Operations
- Geoff Frost – Consultant PB
- Rick Maffescioni – Contractor, Haulton Constructions

Cutting in to existing storage works

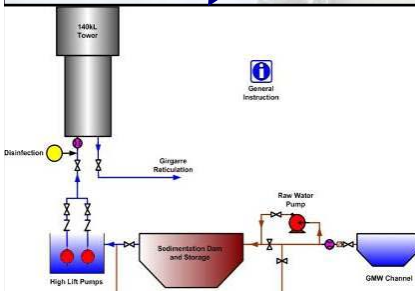


The Girgarre Plant is #1 of Six Small Town Water Treatment Plants that form part of the program to be delivered as part of the GWV Small Towns Water Supply Strategy

Previously the Girgarre water treatment process was based on some chemical addition (PAC) and disinfection only, as per the schematic drawing below



Schematic of new plant



### The benefits in using a designated Project team;

- Constructive input from all stakeholders, before, during and at the commissioning.
- Operator ownership to be fully established before the plant is handed over.
- Common GWV terminology to be established in the panel view instruction.
- The Operation and Maintenance Manual fully reflects the value of the operators input.
- Establishment of a "Membrane Filtration Design manual" For future reference.

The formation of the Project team in this instance allowed for the entire project to be built and delivered around the needs of the end user. The Operator.

Construction of plant building



Completed project with new Clear Water Storage and Plant Building

New membrane Plant, cost \$530K. Well under budget

### New plant now includes

- XP18 Low pressure modules
- 90 kl disinfected Clear Water Storage (8 hrs supply)
- Generator 'hook up' point for power outage
- Control building and Lab Sink
- Panel View Controller
- On line SCADA view & Control
- Water Production quality constantly less than 0.1 NTU
- Operators up skilled in new treatment process



Neil Healey  
Goulburn Valley Water

