



CARBON DIOXIDE DOSING

Watercare Services Ltd, Auckland, New Zealand

Project:

Mobile CO₂ Dosing Skids for potable water pH control

MTL Role:

Watercare identified the need for two mobile CO₂ Dosing units for temporary deployment to ensure potable water pH compliance with NZDWS as new concrete lined steel watermain are entered into service. MTL provided 'fast-track' process and mechanical design, project management and commissioning services for containerised units with the following features:

- High and low range CO₂ dosing capability
- Dual pH analysers
- Operation at watermain pressures of 200 to 1100 kPa
- Utilising existing water main connections where possible
- Remote monitoring and alarms via SMS
- Mains power or generator connectivity

Project Outcome:

MTL worked very closely with Filtration Technology, the Siemens dosing equipment supplier and 'turn-key' contractor for supply and installation of the dosing units. The dosing units were installed and successfully commissioned within the fast track timeframe of 14 weeks.

Project Partners:

Ergo Consulting Ltd (Electrical & Controls)
and Filtration Technology/Kinetic/PLNZ



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