

Project Data Sheet – Memcor MF Plant – Tairare Hills, Kaikohe WTP

Project Overview

Design and Build project to upgrade the existing Kaikohe WTP. Subcontractor to Fulton Hogan.

Scope of works

M & E Design, Build and Install MF plant to meet NZDWS 2005 upgraded to NZDWS 2008. Including Design, Supply and Installation of,

- HAZOP
- Design Report
- MF Plant
- CIP systems
- MCC, PLC and SCADA (Subcontractor used)
- Aeration systems
- Pipework

Design and Performance

Parameter	Design Influent	Actual Influent	Design Treated Water	Actual
Flow	2000m ³ /d expandable to 3000m ³ /d		2000m ³ /d expandable to 3000m ³ /d	2300m ³ /d expandable to 3000m ³ /d
TSS mg/l	<5	<5	0	0
Turbidity NTU	<5	<5	<0.1	<0.05

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Project Information

Client	Far North District Council
Project	Design Install WTP plant to NZDWS 2008
Quality	Executed under ISO9001 procedures
H&S	No LTI's or injuries recorded
Timely Completion	Delays occurred during commissioning process. Plant 4 weeks late on completion. Partial extension of time granted by the Engineer.
Completed	May 2008
Satisfaction	The plant continues to provide water that meets or exceeds the requirement of NZDWS 2008. Plant Meets Operating Cost targets.

Site Photos

