

## Project Data Sheet – Memcor MF Plant – Hikurangi WWTP

### Project Overview

Design and Build project to polish the Effluent from the WWTP.

### Scope of works

Design, Build and Install MF plant to meet Discharge consent requirement. Subcontractor to – Whittaker Civil Engineering. Including Design, Supply and Installation of;

- HAZOP
- Design Report
- MF Plant
- CIP systems
- Local MCC and PLC
- Aeration systems
- Pipe work

### Design and Performance

Parameter	Design Influent	Design Treated Water	Actual
Flow	1200m <sup>3</sup> / expandable to 2000m <sup>3</sup> /d	1200 m <sup>3</sup> /d expandable to 2000m <sup>3</sup> /d	1200m <sup>3</sup> /d expandable to 2000 m <sup>3</sup> /d
TSS mg/l	Avg 19 Peak 120	<3	<1
Faecal Coliforms mpn/100ml	20,000	<20	<10

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**Project Information**

Client	Whangarei District Council
Project	Design Install MF plant
Quality	Executed under ISO9001 procedures
H&S	No LTI's or injuries recorded
Timely Completion	Main contractor late on completion. Our contract completed within time.
Completed	November 2008
Satisfaction	The plant continues to exceed discharge consent requirements. Plant meets operating costs targets.
Project Comments	Due to the condition of the wetland modification had to be undertaken to hold back the decomposing plant matter from the discharge to the MF system. A rock bund was created to act as a gross solids filter to prevent the systems strainers from continually blinding. Modifications done by the client.

**Site Photos**

