

Project Data Sheet – Design and Build WWTP – Gizo Water Supply, Soloman Islands

Project Overview

Design and build project for a new WTP to serve the Gizo township and Hospital in the Western Provinces, Solomon Islands. The plant comprises of a balance tank, filtration by depth filters, chemical dosing (polymer and chlorine), pumpstation

Scope of works

Plant Design to meet stringent local consent requirements for discharge to reservoir for Gizo Township and Hospital.

Civil Works - All civil and earthworks were handled by the main contractor.

Process - Design of process
- Procurement and installation of all items
- Commissioning

Control - Controls design
- MCC
- Relay Controller
- Installation

Ongoing - Plant site Management
- Technical Support

Design and Performance

Parameter	Design Influent	Design Treated Water	Actual	National Standard
Flow m ³ /d	950			
BOD ₅ mg/l				
TSS mg/l	30	<5	1	50

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Project Information

Client	Solomon Islands Government and Western Provinces Government, Main Contractor: Kitano Construction
Project	Design and Build WTP
Quality	Executed under ISO9001
H&S	No LTI's or injuries recorded
Timely Completion	Project completed 4 weeks late due to cyclone. Extension granted by Engineer.
Completed	November 2010
Satisfaction	The plant continues to exceed the requirements of the design. Plant was completed on budget.

Site Photos

