

Takapau Water Upgrade

#theBIGWaterStory

In 2019 Central Hawke's Bay District Council along with Veolia delivered a design and build upgrade to the Takapau Water Treatment Plant. This upgrade dealt with the known issues of manganese while ensuring consistency and compliance with drinking water standards and allows for the ability to meet community water demands. Below are some of the key stats from this upgrade.



MANHOURS WORKED

4300 HOURS

2700 VEOLIA IN-HOUSE
800 SUBCONTRACTORS
500 COUNCIL
300 STANTEC

EQUIPMENT INSTALLED

	MECHANICAL EQUIPMENT	30
	ELECTRICAL ITEMS EXCLUDING SWITCHGEAR	35
	VALVES	106
	INSTRUMENTS	53
	PIPES	240m
	FITTINGS	>350

WATER PRODUCTION CAPACITY



NB* 1m³ is 1000L

WATER QUALITY

PARAMETER	RAW WATER	TREATED WATER (POST UPGRADE)
Manganese	~0.264mg/L	under detection limit (<0.013mg/L)
Iron	~0.041mg/L	under detection limit (<0.013mg/L)
Turbidity	3.6NTU - 4.1 NTU	< 0.1NTU
UVT		> 97%
Free available chlorine (FAC)		automatically controlled to 0.6 - 0.8mg/L

RESILIENCE & VISIBILITY



STANDBY GENERATOR FOR POWER SUPPLY

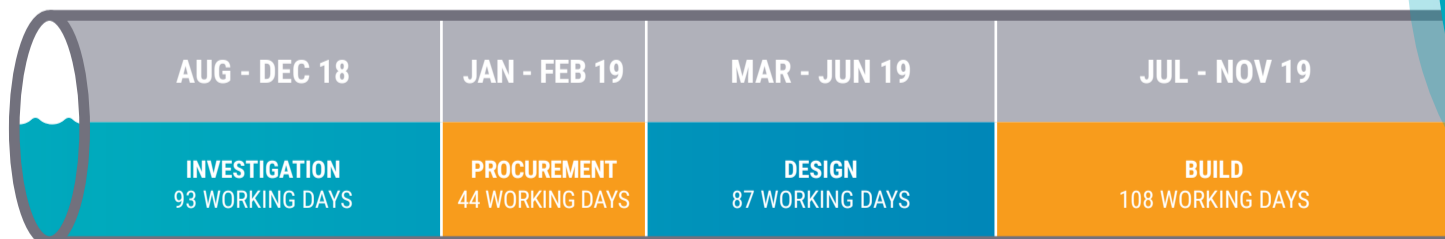


UNINTERRUPTIBLE POWER SUPPLY (UPS) FOR CONTROL SYSTEM POWER SUPPLY



COMPREHENSIVE ONLINE MONITORING INSTRUMENTS, WARNING AND ALARMING, REMOTE VISIBILITY ENABLE EARLY INTERVENTION

TIMELINE OF PROJECT ACTIVITIES



18

WEBSITE UPDATES



1000

FLYERS DELIVERED



2

COMMUNITY MEETINGS



3

DESIGN WORKSHOPS HELD

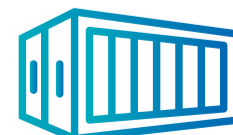
3

DHB/DRINKING WATER ASSESSOR AUDITS



2

CONTAINERS INSTALLED



2

WATER STORAGE TANKS REPLACED

