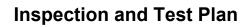


## Inspection and Test Plan - Switchboard Delivery Electrical Installation

ITP Reference 561482-ITP-001

SECTION 1 - GENERA	AL DETAILS											
Project Name:	DCC11014 Water Pump Station Renewals - SILVERSTREAM								Responsibilities Use in sections 3, 4 and 5.			
Project Number:	561482					Α	Action	,		Name	Signature/ Initial	
Customer:	Dunedin City Council					В	Report by Breach	СМ	Construction Manager	Stephen Vorgers		
Contract Number:	DCC11014-WPS002					С	Check	CR	Cust. Representative	Joff Riley / Mark Todd	•	
Area/ Sub-System:	Switchboard Installation	on - SILVERSTREAM		Lot ID	N/	Α	D	Dimension Inspection	ΙP	Inspection Personnel	Hamish Watson	
		Number: Number:					E	Examine	МС	Material Controller		
ITP Number:	561482-ITP-001 Version: DRAFT				AFT	Н	Hold Point	OP	Operations Manager			
ITP Description:	Switchboard Delivery and Electrical Installation						I	Inspection	PM	Project Manager	Matt Paterson	
Discipline:	Switchboard						М	Monitor on Random Basis	PS	Project Supervisor		0
0 " "							0	Operation	QE	Quality Engineer		
Specification:	ecification: C11014 Water Pump Station Renewals Specification 12581908					R	Review	QM	QA Manager			
		wings as issued by GHD	- Silverstream Pump Sta	tion		1111	S	Subcontractor	SP	Supervisor	Hamish Watson	
Drawings:	Drawings: Project Ref: 12581908-GHD-PS-SS-DRG-GN Drawings: G0001, M0001 through M0004 & P0001"				1000	٧	Visual Verification	ST	Superintendent		•	
Prepared By: (Name)	Hamish Watson / Matt P	aterson		Date:	10-12-2	4	w	Witness Point	sv	Surveyor		•
Quality Specified:	None - As per Specification requirements								ws	Welding Supervisor		
SECTION 2 – SIGNAT	URES - CLOSE-OUT & A	APPROVAL										
ITP Close-Out by Downer Name:		Name:	Hamish Watson		Signature:					Date:		
Downer Approval		Name:	Matt Paterson/Stephen	ephen Vorgers Si		Signature:	ignature:				Date:	
Customer Approval		Name:	Joff Riley / Bruce Buxtor	ton Signa		Signature:	gnature:				Date:	





SECTION 3 – RECEIVING INSPECTIONS Insert additional or delete unused rows as required. Include reference to specification.										
	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document			Inspection			
Item No.					Frequency	Inspection Type (Visual, other)	Key	By (Role Key)		
3.1	Pieces prior to delivery	connections for internal electrical	Visual check and report any defects or areas of concern	Email or NTE to report	Once	Visual + Photograph	С	IP/B		
3.2	meterials to site	Check and verify that the switchboard materials have been delivered damage free	materials are damage free	Material Delivery Docket	Once	Visual + inspection	С	IP		
3.3										
_										





							Inspection	
Item No.	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document	Frequency	Inspection Type (Visual, other)	Key	By (Role Key)
4.1		Pre-Removal of required covers from Switchboard	isolation of switchboard is proven	on site testing, isolation tags in place	once	Visual	I	ΙP
4.2		Switchboard exterior panels removed as required	work area secured, all voltage sources isolated. no signs of degradation on switchboard.	Testing, photos as required	once	Visual + Photograph	ı	ΙP
4.3	Connection of new Generator Change-over cabinet.	connections of electrical cabling/bus bars.	Cabling/busbars connected correctly, insulation resistance between conductors acceptable.	Switchboard Acceptance Test. C.O.C from Switchboard Manufacturers.	Once	Visual + Photograph	ı	ΙP
4.4	Re-Energizing of switchboard	Switchboard work completed.	Switchboard upgrades completed. testing completed, interlocks between main switch and generator switch tested and verified, phase rotation confirmed	Switchboard C.O.C, instrument test of supply mains.	once	Visual + Inspection	ı	IP
4.5			Approval from consultant	NTC	Once	Visual	ı	ΙΡ





SECTION 5 - FINAL INS	SPECTION AND HANDOVER In	sert additional or delete unused i	rows as required. Include refere	nce to specification.				
		Inspection Point: Quality Control Activity				Inspection Type (Visual, other)	Inspection	
Item No.	Activity/ Task Description		Acceptance Criteria	Verifying Document	Frequency		Key	By (Role Key)
5.1	Switchboard	Assembled, inspection carried out and approved  Assembled, inspection carried out and approved  Electrical Testing co all covers in place at secured. all bolts pre R.O.I issued by electinspector.		Switchboard acceptance test sheet.	once	Visual + Document	I	IP
SECTION 6 - COMMEN	TS							
			Customer Release Granted:	☐ Yes	□ No	Date:		
			Certificate Number:			Date.		