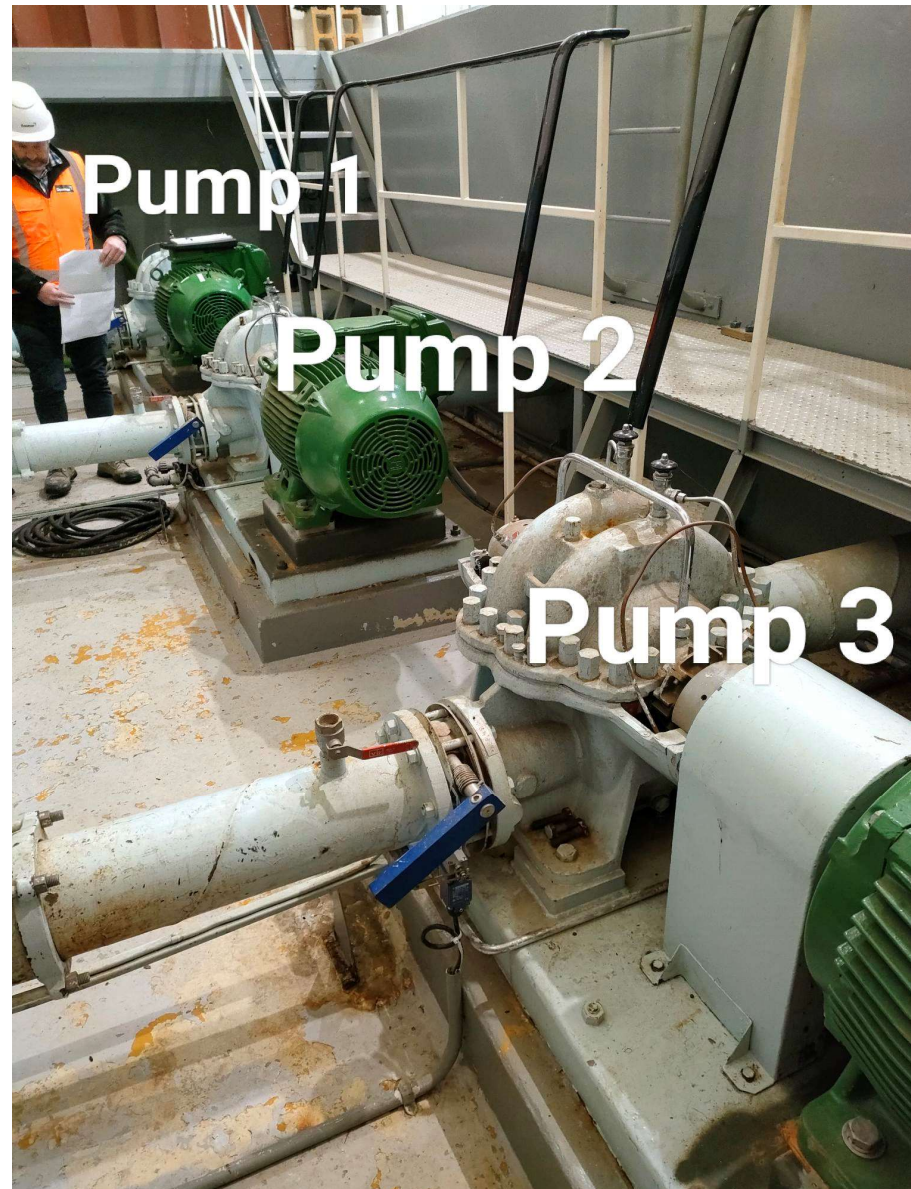


SECTION 1 – GENERAL DETAILS									
Project Name:	DCC11014 Water Pump Station Renewals - SILVERSTREAM				Inspection Key <i>Use in sections 3, 4 and</i>		Responsibilities <i>Use in sections 3, 4 and 5.</i>		
Project Number:	561482				A	Action	Role Key	Name	Signature/ Initial
Customer:	Dunedin City Council				B	Report by Breach	CM	Construction Manager	Stephen Vorgers
Contract Number:	DCC11014-WPS002				C	Check	CR	Cust. Representative	Joff Riley / Mark Todd
Area/ Sub-System:	Pump Installation - SILVERSTREAM	Lot ID Number:	N/A		D	Dimension Inspection	IP	Inspection Personnel	Aaron Sutherland
					E	Examine	MC	Material Controller	
ITP Number:	561482-ITP-005.3	Version:	DRAFT		H	Hold Point	OP	Operations Manager	
ITP Description:	Mechanical Shaft Alignment of Pumps & Motors (Pump 3) - Inspection Test Plan				I	Inspection	PM	Project Manager	Matt Paterson
Discipline:	Pumps				M	Monitor on Random Basis	PS	Project Supervisor	
Specification:	C11014 Water Pump Station Renewals Specification 12581908				O	Operation	QE	Quality Engineer	
					R	Review	QM	QA Manager	
Drawings:	Construction Issue Drawings as issued by GHD - Silverstream Pump Station Project Ref: 12581908-GHD-PS-SS-DRG-GN Drawings: G0001, M0001 through M0004 & P0001				S	Subcontractor	SP	Supervisor	Bruce Allan
					V	Visual Verification	ST	Superintendent	
Prepared By: (Name)	Matt Paterson	Date:	10-12-24		W	Witness Point	SV	Surveyor	
Quality Specified:	None - As per Specification requirements						WS	Welding Supervisor	Matt York
SECTION 2 – SIGNATURES – CLOSE-OUT & APPROVAL									
ITP Close-Out by Downer	Name:	Bruce Allan	Signature:		Date:				
Downer Approval	Name:	Matt Paterson/Stephen Vorgers	Signature:		Date:				
Customer Approval	Name:	Joff Riley / Bruce Buxton	Signature:		Date:				

SECTION 3 – RECEIVING INSPECTIONS <i>Insert additional or delete unused rows as required. Include reference to specification.</i>								
Item No.	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document	Frequency	Inspection Type <i>(Visual, other)</i>	Inspection	
							Key	By <i>(Role Key)</i>
3.1	Align pump and motor shafts and install coupling - Pump & Motor Assembly 3	Downer to engage a specialist to laser align motor and pump shafts to within 0.025mm	Completion of the assebmly to pump and motor 3 including mounting to the plinth.	Downer 561482-ITP-004.3	once	Visual + Photograph + document provided by specialist	QE	D / E

SECTION 4 – IN-PROCESS INSPECTIONS *Insert additional or delete unused rows as required. Include reference to specification.*

Item No.	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document	Frequency	Inspection Type (Visual, other)	Inspection	
							Key	By (Role Key)
4.1	Align pump and motor shafts and install coupling - Pump & Motor Assembly 3	Engage Engineering Specialist to adjust and align motor and pump shafts using laser alignment	Pump and motor shafts are aligned to the specified tolerances on X-Y-Z axis to tolerance of 0.025mm	Report provided by Engineering Specialist - Wallace Murray Electrical	once	Visual + Photograph + document provided by specialist	QE	D / E
4.2	Install drive coupling to Pump 3	Completion of the nstallation of shaft drive coupling - Pump 3	Completion of Item 4.1	Report provided by Engineering Specialist - Wallace Murray Electrical	Once	Visual + Photograph	A / I	IP



SECTION 5 – FINAL INSPECTION AND HANDOVER *Insert additional or delete unused rows as required. Include reference to specification.*

Item No.	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document	Frequency	Inspection Type <i>(Visual, other)</i>	Inspection	
							Key	By <i>(Role Key)</i>
5.1	Pump 3 & Motor assembly	Final inspection & check. Rotate motor/pump assembly by hand to ensure smooth operation	Pump/Motor assembly completed and laser alignment completed and verified. Drive coupling installed	As per methodology, Shaft alignment verification & Manufacturers Instructions. Detailed report provided from specialist - Wallace Murray Electrical	once	Visual + Document	I	IP

SECTION 6 – COMMENTS

	Customer Release Granted:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Date:	
	Certificate Number:				