

ITP no.	PCA-ITP-IBP-22-7-1	Date	26/10/2022	Revision no.	3
Client Doc No.	662NSC2002-2000-IT-QA-0037	Client	Civmec	Contract no.	C292-CM-AGR-0009
Project	Iron Bridge Project	Area & Sub-System		Prepared by	Luke McInnes

Item No.	Inspection and Test Activity	Specification/ Standards/Procedure Reference	Acceptance Criteria	Timing/Frequency	Inspection/ Test Method	Verifying Record	Resp.	Inspection Point			Notes (If applicable)
								PCA	Civmec	FMG	
1.0	Submission and Approvals										
1.1	Inspection and Test Plan	Scope of Work C292-EG-SOW-0009	Client review and approval	As per Contract	DR	Approved ITP(s)	SUP	H	H/R	H	
1.2	Oil Flushing and Pressure Testing Methodology Statement	ISO 4406 100-SP-PI-0001_4 AS-4041	As per specifications 100-SP-PI-0001_4	Each Flushing and Pressure Test	DR	Approved Method Statement	SUP	H	H/R	H	
2.0	Receipt of Incoming Materials including Material Supplied by Company										
2.1	Material Receipt and storage	Goods receipt	Quantity, damages, stored as per Manufacturer requirements	Each Delivery	V	Material Delivery Dockets Work-pack BOM Packing List	SUP	S	S	S	
2.2	Material certification	As per Approved Drawings	As per FMG specification 100-SP-PI-0001_4	Each Delivery	V/DR	Material Certificates	SUP	S	R	R	

NOTE: Applicable Standard & Acceptance Criteria always includes the relevant approved drawing, client spec., check sheet and manufacturer's instructions which must be complied with.

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Inspection / Test Method Legend: T - Test, V - Visual, D - Dimensional, DR - Document Review

Resp. legend: PQM - Project Quality Manager, SUP - Supervisor/Foreman, CR - Client Representative, S/C - Subcontractor.

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3.0	Pipe Fabrication										
3.1	Measure, cut, flare, bend and internal polyshot tube/pipes	AS 4041	As per client drawings FMG specification 100-SP-PI-0001_4	Each non-vendor supplied pipe spool	D	Approved Drawings	SUP	S	S/R	S	
3.2	Final inspection and dimensional check	AS 4041	As per client drawings / FMG specification 100-SP-PI-0001_4	Prior to release for installation	V	Approved Drawings	SUP	S	S/R	S	
4.0	Installation of Pipework										
4.1	Correct Spools Identified	As per Approved Drawings	As per client drawings / specifications	Each Isometric	V	BOM, Approved Drawings &	SUP	S	S/R	S/R	
4.2	Correct Items issued for Installation as per Isometric - Fittings	As per Approved Drawings	As per client drawings / specifications	Each Isometric	V	Approved Drawings &	SUP	S	S/R	S/R	

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4.3	Inspect for cleanliness	AS 4041	As per client drawings / specifications 100-SP-PI-0001_4	Each Spool	V	CCMS ITR P1.002	SUP/ QC	S	S/R	S/R	
4.4	Piping Installation	AS 4041 As per Approved Drawings	As per client drawings / specifications 100-SP-PI-0001_4	Each Isometric	V	Approved Drawings ITR	SUP/ QC	S	S/R	S/R	

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5.0	Pressure Test and Flushing										
5.1	Prepare Test Pack and submit for approval prior to test	OEM Specification PCA Pressure Test and Flushing Methodology Statement 100-SP-PI-0001_4	As per Drawings / OEM Specifications 100-SP-PI-0001_4	Each Test System	DR	Approved Drawings ITR	SUP	H	H/R	H/R	
5.2	Isolate test circuit points and perform Pressure test	OEM Specification PCA Pressure Test and Flushing Methodology Statement 100-SP-PI-0001_4	As per Drawings / OEM Specifications	Each Test System	T	Approved Drawings ITR		H	H	H	

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5.3	Perform Flushing of test circuits	ISO44 06AS 4041 AS 4037 PCA Pressure Test and Flushing Methodology Statement	As per Drawings / OEM Specifications 100-SP-PI-0001_4	Each Test System	T	Approved Drawings ITR	SUP	H	H	H	
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Project Reference Documents		Standards, Codes and Specifications		ITRs
Project Document Number	Document Title	Standard number	Standard title	ITR Number
C292-EG-SOW-0009	Scope of Work	AS 4037	Pressure Equipment – Examination and Testing	C1-PI-ITR-007 Piping – Flushing Purging
		AS 4041	Pressure Piping	C1-PI-ITR-008 Piping -Service/Leak/Pressure
		International Standards		
		ISO 4406	Hydraulic fluid power — Fluids — Method for coding the level of contamination by solid particles	
		FMG Specifications		
		100-SP-PI-0001_4	Standard Engineering Specification for Pipework and Valves	

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