

INSPECTION AND TEST PLAN



Project: Iron Bridge SMPEI Process Plant Construction – Dry Plant	FMG Document No: 662NSC2002-2000-IT-QA-0017	Document No: C292-QU-ITP-0017	Revision: 1
Project No: C292	Contract No: 662NSC2002-0000-CO-CP-0002	Prepared By: Wei.H	Approved by: Fabien Fernandez

Scope: Apron Feeder Installation	Work Pack No:
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Control Point H = Hold Point (Work must not proceed to the next step until this activity is completed and a signature obtained); W = Witness Point (Notify to permit witness, work can proceed if witness does not attend at agreed time);
S = Surveillance (Monitor operations / surveillance of activity); **R** = Review Documentation (Sign to record review);

Resp. Person QC - Quality Inspector; PE - Project Engineer; CQR - Client Quality Representative; CI - Coating Inspector; PM - Project Manager; SS- Site Supervisor; DC - Dimension Checker; WE - Welding Engineer; PP - Pre-processing Personnel

ACT No.	DESCRIPTION OF ACTIVITY	PROCEDURE/ SPECIFICATION REFERENCE	ACCEPTANCE CRITERIA	VERIFYING DOCUMENTATION	RESP. PERSON	CONTROL POINT		REMARKS
						CIVMEC	CLIENT	
1 Submission/ Approval of Documentation								
1.1	Submit Apron Feeder Installation Inspection & Test Plan for FMG Approval	662NSC2002-2000-SW-CN-0002_4 0100-SP-QA-0001_0	662NSC2002-2000-SW-CN-0002_4 CL7.2.3 0100-SP-QA-0001_0 CL2.3	Approved ITP	QC / PE	H / R	R	
1.2	Ensure Manufacturer's Installation Instructions and manuals Have Been Provided with Equipment	0100-SP-ME-0002_B Manufacturer's Recommendation	0100-SP-ME-0002_B CL3.3	Manufacturer's Installation Instructions	SS / PE	H / R	R	
1.3	Submit lift studies as per FMG Lifting Procedure for FMG Review & Approval	100-PR-SA-1036_5	100-PR-SA-1036_5 Cl. 3.4	Approved Lift Study	SS / PE	H / R	H*/R	Hold for critical lifts only
1.4	Verify Structural FIC's for Supporting Structure are Signed Off	IFC Drawings 662NSP2009-2451-IM-QA-0001_A	IFC Drawings 662NSP2009-2451-IM-QA-0001_A	Structural ITR's	SS/PE	R	R	
2 Material Receipt, Inspection, Storage & Presevation								
2.1	Inspect Supplied and Free-Issued Mechanical Components for the Following: *Equipment identification & Nameplate; *Comformance to Specification and Drawings; *Damaged or Missing Components; and *Review Material Certification and Material Traceability Records. NOTE: Non-Conforming Material Shall be Segerated, Quarantined and an Dilapidation Report Completed.	0100-SP-ME-0002_B 662NSP2009-2451-IM-QA-0001_A	0100-SP-ME-0002_B 662NSP2009-2451-IM-QA-0001_A	Delivery Dockets Material Certificates Dilapidation Report	SS / QC / PE	S / R	S	
2.2	Store and Preserve Equipment as Per Manufacturer's Recommendation	0100-SP-ME-0002_B 662NSP2009-2451-IM-QA-0001_A	0100-SP-ME-0002_B 662NSP2009-2451-IM-QA-0001_A	Signed ITP	SS / QC / PE	S	S	
3 Calibration								
3.1	Ensure All Inspection, Measuring and Testing Equipment is Calibrated Including: *Coupling Laser Alignment Tool; *Machine Level; *Dial Gauge Indicators; and *Torque Tooling * Survey Equipment	0100-SP-ME-0002_B Manufacturer's Recommendation	0100-SP-ME-0002_B	Calibration Certificates Signed ITP	QC / PE	R	R	
4 Acceptance of Apron Feeder Support Structure								
4.1	Inspect Support Structure for Anchor Bolts or Bolt Holes at Correct Location, Level and Alignment;	0100-SP-ST-0002_0 IFC Drawings 662NSP2009-2451-IM-QA-0001_A	0100-SP-ST-0002_0 Cl. 9.1 & 9.2 IFC Drawings 662NSP2009-2451-IM-QA-0001_A	Foundations As-Built Survey & Acceptance	QC / PE	R	R	
5 Apron Feeder Installation								
5.1	Survey & Install Shims at Base Plate Locations Where Required	662NSP2009-2451-IM-QA-0001_A	IFC Vendor Drawings 662NSP2009-2451-IM-QA-0001_A	Signed ITP FMG Apron Feeder ITR	SS	H	S/R	
5.2	Lift & Land the Frame(s) onto the Support Structure, Align, Survey, and Bolt Out	662NSP2009-2451-IM-QA-0001_A	IFC Vendor Drawings 662NSP2009-2451-IM-QA-0001_A	Signed ITP FMG Apron Feeder ITR	SS	W	S/R	
5.3	Transport Bracing, Shaft Locks and Bearing Transport Anti-Brinelling Protection Devices Removed from Head and Tail Shafts	0100-SP-ST-0002_0 IFC Drawings 662NSP2009-2451-IM-QA-0001_A	0100-SP-ST-0002_0 IFC Drawings 662NSP2009-2451-IM-QA-0001_A	Signed ITP	SS	H	S	

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6	Apron Feeder SEW Drive Assembly							
6.1	Install Apron Feeder Drive(s) & Torque Arm(s) in accordance with Manufacturers IOM Instructions. Verify Alignment of Motor(s)	IFC Vendor Drawings 0100-SP-ME-0002_0 662NSP2009-2451-IM-QA-0001_A	IFC Vendor Drawings 0100-SP-ME-0002_0 662NSP2009-2451-IM-QA-0001_A	Signed ITP FMG Apron Feeder ITR	SS/PE	H	H	
6.2	Install Lubrication & Emergency Stop System(s) in accordance with Manufacturers IOM Instructions.	IFC Vendor Drawings 0100-SP-ME-0002_0 662NSP2009-2451-IM-QA-0001_A	IFC Vendor Drawings 0100-SP-ME-0002_0 662NSP2009-2451-IM-QA-0001_A	Signed ITP FMG Apron Feeder ITR	SS	S/R	S	
6.3	Install grease line Piping / Tubing in Accordance with Manufacturer's Installation Instructions, Purge / Fill lines	IFC Vendor Drawings 0100-SP-ME-0002_0 662NSP2009-2451-IM-QA-0001_A	IFC Vendor Drawings 0100-SP-ME-0002_0 662NSP2009-2451-IM-QA-0001_A	Signed ITP FMG Lubrication System ITR	SS	S/R	S/R	
7	Final Inspection							
7.1	Complete Final Inspection of Installed Equipment	0100-SP-ME-0002_0 0100-SP-ME-0001_0 Vibrating Feeder IOM IFC Drawing	0100-SP-ME-0002_0 0100-SP-ME-0001_0 Vibrating Feeder IOM IFC Drawing	Field Inspection Records Punchlists	SS / PE	R	R	
8	Finalise Documentation							
8.1	Redline Drawings Verified for Relevant Equipment	662NSC2002-2000-SW-CN-0002_4 0100-SP-QA-0001_0	662NSC2002-2000-SW-CN-0002_4 0100-SP-QA-0001_0	Redline Drawings	QC / PE	R	R	
8.2	Complete Construction Verification & Punchlisting	662NSC2002-2000-SW-CN-0002_4 0100-SP-QA-0001_0	662NSC2002-2000-SW-CN-0002_4 0100-SP-QA-0001_0	Approved Construction Verification Documentation Signed-off Punchlist	QC / PE	R	H	

SIGNATURE IDENTIFICATION REGISTER			
NO	NAME	SIGNATURE	POSITION TITLE
1			
2			
3			
4			
5			
6			