

INSPECTION AND TEST PLAN



Project: Iron Bridge SMPEI Process Plant Construction – Dry Plant	FMG Document No: 662NSC2002-2000-IT-QA-0022	Document No: C292-QU-ITP-0022	Revision: 1
Project No: C292	Contract No: 662NSC2002-0000-CO-CP-0002	Prepared By: Wei.H	Approved by: Fabien Fernandez
Scope: Dry Vibrating Screen		Work Pack No:	

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);
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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	THIRD PARTY	
1 Submission/ Approval of Documentation									
1.1	Submission Dry Vibrating Screen 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 662NSP2012-2470-IM-QA-0001_0	IFC Drawings 662NSP2012-2470-IM-QA-0001_0	Structural ITR's	SS/PE	R	R		
2 Calibration									
2.1	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		
3 Material Receipt, Inspection, Storage & Presevation									
3.1	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 Segregated, Quarantined and an Dilapidation Report Completed.	0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Delivery Dockets Material Certificates Dilapidation Report	SS / QC / PE	S / R	S		
3.2	Store and Preserve Equipment as Per Manufacturer's Recommendation	0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP	SS / QC / PE	S	S		
4 Acceptance of Dry Screen 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 Dry Screen IOM	0100-SP-ST-0002_0 CL9.1 & (.2 IFC Drawings Dry Screen IOM	Foundation As-Built Survey & Acceptance	SS / PE	S / R	S		
4.2	Screen Base Plate be Securely Bolted and Aligned	Dry Screen IOM	IFC Vendor Drawing Dry Screen IOM	Survey Report	SS / PE	S / R	S		
5 Isolation Frame Assembly and Installation									
5.1	Pre-assemble the Frame and Ensure the Assembly is Square in Both and End View	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	S / R	S		
5.2	Survey & Install Shims at Spring Base Location Where Required	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS/PE	H	S		
5.3	Lift and Land the Frame(s) onto the Spring Base Support, Align, Survey and Bolt Out	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	S / R	S		

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6 Vibrating Screen Assembly and Installation									
6.1	Verify Alignment of Isolation Frame Base Plate	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS/PE	H	S		
6.2	Lift and Install Vibrating Screen Assembly in Accordance with Manufacturer's IOM Instruction	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	S / R	S / R		
6.3	Install Drive Motor Base onto Structure and Bolt Out	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	S/R	S		
6.4	Install Drive Motor onto Base, Align and Shim if Required to Level, Bolt Out to Base	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	S/R	S		
6.5	Install & Align Drive Shafts and Intermediate Excited connection shafts	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	W	H		
6.6	Verify bolt torque on Exciter Mounting Bolts	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	W	S/R		
6.7	Install Isolation Frame Damper in Accordance to Installation Drawing, and Bolts Torqued	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	IFC Vendor Drawing 0100-SP-ME-0002_B 662NSP2012-2470-IM-QA-0001_0 (IOM)	Signed ITP FMG Vibrating Screen ITR	SS	W	W		
7 Final Inspection									
7.1	Complete Final Inspection of Installed Equipment	0100-SP-ME-0002_0 0100-SP-ME-0001_0 Vibrating Screen IOM IFC Drawing	0100-SP-ME-0002_0 0100-SP-ME-0001_0 Vibrating Screen 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	ORGANISATION
1				
2				
3				
4				
5				
6				