

<b>Project:</b> Iron Bridge SMPEI Process Plant Construction - Dry Plant		<b>FMG Document No:</b> 662NSC2002-2000-IT-QA-0016		<b>Document No:</b> C292-QU-ITP-0016		<b>Revision:</b> 0		
<b>Project No:</b> C292		<b>Contract No:</b> 662NSC2002-0000-CO-CP-0002		<b>Prepared By:</b> M. Benson		<b>Approved By:</b> W. Bradshaw		
<b>Scope:</b> Belt Feeder Installation						<b>Workpack / Area:</b>		
<b>Control Point</b> <b>H</b> = Hold Point (Work must not proceed to the next step until this activity is completed and a signature obtained); <b>W</b> = Witness Point (Notify to permit witness, work can proceed if witness does not attend at agreed time); <b>S</b> = Surveillance (Monitor operations / surveillance of activity); <b>R</b> = Review Documentation (Sign to record review);								
<b>Resp. Person</b> <b>QC</b> - Quality Inspector; <b>PE</b> - Project Engineer; <b>CQR</b> - Client Quality Representative; <b>CI</b> - Coating Inspector; <b>PM</b> - Project Manager; <b>SS</b> - Site Supervisor; <b>DC</b> - Dimension Checker; <b>WE</b> - Welding Engineer; <b>PP</b> - Pre-processing Personnel, <b>SUBCON</b> - Subcontractor								
ACT No.	DESCRIPTION OF ACTIVITY	PROCEDURE / SPECIFICATION REFERENCE	ACCEPTANCE CRITERIA	VERIFYING DOCUMENTATION	RESP. PERSON	CONTROL POINT		REMARKS
						CIVMEC	CLIENT	
<b>1 Submission / Approval of Documentation</b>								
1.1	Submit Belt Feeder Installation Inspection & Test Plan for FMG Approval	100-ST-QA-0001_1 662NSC2002-2000-SW-CN-0002_4	662NSC2002-2000-SW-CN-0002_4 Cl. 10.3 100-ST-QA-0001_1 Cl. 2.3	Approved ITP	QC / PE	H / R	R	
1.2	Ensure Manufacturer's Installation Instructions and manuals Have Been Provided with Equipment	100-SP-ME-0004_2 Manufacturer's Recommendation	100-SP-ME-0004_2 Cl. 3.3	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	<b>Hold for critical lifts only</b>
1.4	Verify Structural FIC's for Supporting Structure are Signed Off	IFC Drawings 662NSP2013-2431-IM-QA-0001_0	IFC Drawings 662NSP2013-2431-IM-QA-0001_0	Structural ITR's	SS/PE	R	R	
<b>2 Calibration</b>								
2.1	Ensure All Inspection, Measuring and Testing Equipment is Calibrated Including: <ul style="list-style-type: none"> <li>• Coupling Laser Alignment Tool;</li> <li>• Machine Levels;</li> <li>• Dial Gauge Indicators; and</li> <li>• Torque Tooling</li> <li>• Survey Equipment</li> </ul>	100-SP-ME-0004_2 Manufacturer's Recommendation	100-SP-ME-0004_2 Cl. 4	Calibration Certificates Signed ITP	QC / PE	R	R	
<b>3 Materials Receipt, Inspection, Storage &amp; Preservation</b>								
3.1	Inspect Supplied and Free-Issued Mechanical Components for the Following: <ul style="list-style-type: none"> <li>• Equipment Identification &amp; Nameplate;</li> <li>• Conformance to Specification and Drawings;</li> <li>• Damaged or Missing Components; and</li> <li>• Review Material Certification and Material Traceability Records.</li> </ul> <b>NOTE:</b> Non-Conforming Materials Shall be Segregated, Quarantined and an OS&D Report Completed.	100-SP-ME-0004_2 Manufacturer's Recommendation	100-SP-ME-0004_2 662NSP2013-2431-IM-QA-0001_0	Delivery Dockets Material Certificates OS&D Report	SS / QC / PE	S / R	S	
<b>4 Acceptance of Supporting Structure</b>								
4.1	Inspect Structure for Conformance to the Following: <ul style="list-style-type: none"> <li>• Anchor Bolts or Bolt Holes at Correct Location, Level and Alignment;</li> <li>• Curing Period Satisfied and Required Concrete / Grout Strength Achieved;</li> <li>• Rail Alignment Complies with Relevant Drawings, Specifications and Standards;</li> </ul>	662NSP2013-2431-IM-QA-0001_0	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	Structural ITR's Survey Report	SS / PE	S / R	S / R	

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<b>Project No:</b> C292	<b>Contract No:</b> 662NSC2002-0000-CO-CP-0002	<b>Prepared By:</b> M. Benson	<b>Approved By:</b> W. Bradshaw

**Scope:** Belt Feeder Installation **Workpack / Area:**

**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, SUBCON - Subcontractor

ACT No.	DESCRIPTION OF ACTIVITY	PROCEDURE / SPECIFICATION REFERENCE	ACCEPTANCE CRITERIA	VERIFYING DOCUMENTATION	RESP. PERSON	CONTROL POINT		REMARKS
						CIVMEC	CLIENT	
<b>5</b>	<b>Belt Feeder Installation</b>							
5.1	Verify alignment of Belt Feeder in Accordance with Manufacturer's Installation Instructions	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	Signed ITP Belt Feeder ITR	SS	S / R	S / R	
5.2	Installation and Alignment of Associated Drive Units in Accordance with Manufacturer's Installation Instructions	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	Signed ITP Belt Feeder ITR Laser Alignment Report	SS	S / R	S / R	
5.3	Install Associated Hydraulic Power Units and Associated Piping in Accordance with Manufacturer's Installation Instructions	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	Signed ITP Belt Feeder ITR	SS	S / R	S / R	
5.4	Install Associated Lubrication Units and Associated Piping / Tubing in Accordance with Manufacturer's Installation Instructions	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	IFC Vendor Drawings 662NSP2013-2431-IM-QA-0001_0	Signed ITP Belt Feeder ITR	SS	S / R	S / R	
5.5	Carry out lubrication system first fills & Sampling	662NSP2013-2431-IM-QA-0001_0 FMG Lubrication Schedule	662NSP2013-2431-IM-QA-0001_0 FMG Lubrication Schedule	Signed ITP FMG Lubrication System ITR	SS	S / R	S / R	
<b>6</b>	<b>Final Inspection</b>							
6.1	Complete Final Inspection of Installed Equipment	100-SP-ME-0002_0 100-SP-ME-0004_2 Manufacturer's Recommendations IFC Drawings	100-SP-ME-0002_0 100-SP-ME-0004_2 662NSP2013-2431-IM-QA-0001_0 IFC Drawings	Field Inspection Records Punchlist	SS / PE	H/R	H/R	
<b>7</b>	<b>Finalise Documentation</b>							
7.1	Redline Drawings Verified for Relevant Equipment	100-ST-QA-0001_1 662NSC2002-2000-SW-CN-0002_4	100-ST-QA-0001_1 Cl. 2.8 662NSC2002-2000-SW-CN-0002_4 Cl. 10.2	Redline Drawings	QC / PE	R	R	
7.2	Complete Construction Verification & Punchlisting	100-ST-QA-0001_1 662NSC2002-2000-SW-CN-0002_4	100-ST-QA-0001_1 Cl. 2.8 662NSC2002-2000-SW-CN-0002_4 Cl. 9.1	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				