

# Piping Field Inspection Checklist

Company: \_\_\_\_\_

<b>Project:</b>		<b>Document No.</b>	201608-TUF-00002	
<b>FIC Title:</b>		<b>WP No.</b>		
<b>Location:</b>				
<b>Drawing Number</b>	<b>Revision</b>	<b>Drawing Number</b>	<b>Revision</b>	
<b>No.</b>	<b>Inspection Activities</b>	<b>Conforms</b>		<b>Comments</b>
		<b>ACCEPT</b>	<b>N/A</b>	
	<b>PIPING</b>			
<b>1</b>	Fit-up is acceptable; horizontal lines are level, except where slope is indicated on the design drawings			
<b>2</b>	Pipe size, schedule and type of material is correct			
<b>3</b>	Verify Flange Ratings are correct			
<b>4</b>	Correct pipe fittings (Tee, reducer, weldolet etc.) are located and orientated per specification, standards and design installation drawing			
<b>5</b>	Vents are installed at high points and drains at low points			
<b>6</b>	No carbon steel contact with stainless steel components			
<b>7</b>	Welding and NDE is in compliance with codes and project specification			
<b>8</b>	Verify internal Pipe cleanliness prior to fit up			
	<b>VALVES</b>			
<b>1</b>	Check – Globe and Control valves are installed with flow in correct direction as indicated on P&ID			
<b>2</b>	Valves are accessible, operable and the correct orientation.			
<b>3</b>	Drains and flushing connections to valve bodes are installed, accessible and operable as required.			
	<b>BOLTS AND STUDS</b>			
<b>1</b>	Bolting is appropriate length, diameter and material			
<b>2</b>	Thread lubricant is used if required.			
<b>3</b>	All bolts or studs are installed and tight or torqued/tensioned as required. Studs have a minimum one thread past nuts and have equal projection beyond nuts per project specifications.			
<b>4</b>	Verify the gasket installed as per specification and the correct type as per design.			
	<b>PIPE SUPPORTS AND EXPANSION JOINTS</b>			
<b>1</b>	Line is supported properly. Drawings shall be checked to confirm all supports are installed as per design.			

No.	Inspection Activities	Conforms		Comments
2	Check clearances for pipe expansion at the anchor locations, shoes are properly positioned in relation to support and allow for expansion.			
3	Remove all temporary supports			
4	Check supports for conformance to design drawing			
5	Lines at pumps on other equipment shall be carefully checks for undue stresses on equipment flanges. Pipe supports are straight and plumb.			
6	Baseplates should be grouted as required			
7	U-bolts should be verified for compliance to the design details. Guides should have the proper gap.			
8	Spectacle blinds, blinds and spacers are installed as required and are the correct thickness.			
	<b>Seal Welding</b>			
1	Seal welding is complete as required			
2	Exposed threads are covered by seal weld			
3	No pipe thread sealant or tape is to be used in screwed joints to be seal welded			

Contractor Engineer	Contractor QC Inspector	Clients Representative
Name:	Name:	Name:
Signature:	Signature:	Signature:
Date:	Date:	Date: