

STANDARDS & CODES

SHEET 1 – SAIC (Saudi Aramco Inspection Procedures)

Category	Document No	Description
Installation	SAIC-L-2011	Installation
Installation	SAIC-L-2012	Erection
Fabrication	SAIC-L-2035	Cutting & Fit-Up
Material	SAIC-L-2005	Pipes Inspection
Material	SAIC-L-2006	Fittings Inspection
Material	SAIC-L-2007	Gaskets Inspection
Material	SAIC-L-2008	Bolts Inspection
Material	SAIC-L-2009	Flanges Inspection
Flange	SAIC-L-2014	Bolted Flange Inspection
Cleaning	SAIC-L-2017	Internal Cleaning of Line
Flushing	SAIC-L-2017	Flushing of Line
Valve	SAIC-L-2024	Inspection of Valves
Testing	SAIC-A-2001	Hydro Test Procedure
Testing	SAIC-A-2003	Review of Test Package
Testing	SAIC-A-2010	Pre-Test Punch List
Testing	SAIC-A-2011	Test Preparation
Testing	SAIC-A-2015	Test Pressure Inspection
Lay-Up	SAIC-A-2007	Lay-Up Procedure
Reinstatement	SAIC-A-2006	Reinstatement Procedure

SHEET 2 – SATR (Inspection / Test Reports)

Category	Document No	Description
Cleaning	SATR-A-2008	Internal Cleaning Report
Flushing	SATR-A-2008	Flushing Report
Testing	SATR-A-2001	Pressure Test Report
Lay-Up	SATR-A-2009	Lay-Up Inspection
Lay-Up	SATR-A-2014	Lay-Up Inspection
Punch	SATR-A-2007	Punch List
Reinstatement	SATR-A-2007	Post-Test Checklist
Reinstatement	SATR-A-2011	Post-Test Checklist

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SHEET 3 – SATIP (Typical Inspection Plans)

Area	SATIP No	Scope
Piping	SATIP-L-350-01	Material Receiving
Piping	SATIP-L-350-01	On-Plot Piping Installation
Fabrication	SATIP-L-350-08	Shop Fabrication
Testing	SATIP-A-004-02	Hydro Test of On-Plot Piping
Valve	SATIP	Valve Inspection & Testing

SHEET 4 – SAMSS (Material Specifications)

Type	SAMSS No	Description
Pipe	01-SAMSS-035	API Pipes
Pipe	01-SAMSS-332	Grade B Pipes
Pipe	01-SAMSS-333	Grade C Pipes
Fitting	02-SAMSS-001	Low Temp Fittings
Fitting	02-SAMSS-005	Butt Weld Fittings
Fitting	02-SAMSS-011	Flanges
Valve	04-SAMSS-001	Gate Valve
Valve	04-SAMSS-003	Low Temp Valve
Valve	04-SAMSS-005	Check Valve
Valve	04-SAMSS-048	Valve Inspection & Testing

SHEET 5 – MATERIAL & ASTM STANDARDS

Item	Standard
Bolts	ASTM A193 Gr 7
Bolts	ASTM A320 Gr 3
Nuts	ASTM A194 Gr 2H / 4 / 7
CS Pipe	ASTM A53 / A106
SS Pipe	ASTM A312 TP304/316
Alloy Pipe	ASTM A335 P1–P11
LTCS	ASTM A333 Gr 6

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SHEET 6 – ASME CODES

Code	Description
ASME B31.1	Power Piping
ASME B31.2	Fuel Gas
ASME B31.3	Process Piping
ASME B31.4	Liquid Pipelines
ASME B31.5	Refrigeration
ASME B31.8	Gas Transmission
ASME B31.9	Building Services
ASME B31.11	Slurry Pipelines