



INSPECTION & TEST PLAN

PACKAGE #2 Vessel 5/31/13				Date: 1/30/17 17:45:41 W-SW/BLN/BRV/DC				LEGEND			
Client: HUSKY				S Subcontractor				R Review Documents			
Shed #15794				W Witness				SU Surveys			
				H Hold Point				H/A Not Applicable			
TASK No.	Task Description	QC Activity	Controlling Procedure or Instruction	Acceptance Criteria	Verifying Document	INSPECTION REQUIREMENTS				Client Inspector	
						Legend	Sign	Date	Sign	Date	
1	Review and Acceptance of ITP	Submission to HUSKY	Planned Quality Activities Meet HUSKY Requirements to Quality Assurance	HUSKY Specifications	Accepted ITP	R	(Signature)	Dec 17, 2013	H	(Signature)	26 03 14
2	Purchase of Major Equipment	Vendor	Equipment Ordered in Accordance with Design Criteria & HUSKY Specifications	HUSKY Specifications, Design Criteria, Approved Drawings	Purchase Order	R	(Signature)	Jan 10, 2014	R	(Signature)	26 03 14
3	Drawing Distribution and Review	Review, Verify Latest Revision of IFC Drawings for Assembly, And P & ID Verification	Vendor Quality Control Manual	HUSKY Specifications, IFC Drawings	This ITP	R	(Signature)	Jan 10, 2014	SU	(Signature)	26 03 14
4	Mounting of Vessel on Skid	Inspection Alignment, Orientation	Plan Drawing	Approved Drawing	This ITP	R	(Signature)	April 1/2, 2014	SU	(Signature)	3 04 14
5	Mounting of Spools on Skid	Verification of Dimensions, Workmanship, Materials, Check Against Mechanical Flow Sheet	QC Manual	ASME B31.3, Approved Drawings	This ITP, Inspection Completion	R	(Signature)	April 1/2, 2014	SU	(Signature)	3 04 14
6	Fit-Up Inspection	All Spools Cleared Prior to Fit-Up	QC Manual	ASME B31.3	This ITP	SU/H	(Signature)	April 1/2, 2014	H	(Signature)	3 04 14
7	Fabrication and Installation of Socket Welded piping	Inspect Verify, Monitor Welding, Welders, Materials, and Consumables	QC Manual	ASME B31.3, Approved Drawings	This ITP	SU/H	(Signature)	April 1/2, 2014	SU	(Signature)	3 04 14
8	Hydro-Test	Refer to Pipe Spool Fabrication ITP and Vessel ITP	Pentaboo Hydrotest Procedure; RV Piping Hydrotest Procedure.	ASME B31.3, ASME Sec. VII Div. 1	Pipe Spool Fabrication ITP; Vessel ITP	W	(Signature)	April 3, 2014	W	(Signature)	3 04 14
9	Prepare for Sandblast	Visual Inspection Prior Sandblast	Sandblast Procedure	HUSKY Specs, Vendor Standard Approved Drawings	Vendor Sandblast Inspection Summary	SU	(Signature)	April 3, 2014	SU	(Signature)	3 04 14
10	Painting	Visual Inspection After Paint	Manufactures Paint Specifications	Vendor Specs	Vendor Painting Inspection Report	SU	(Signature)	April 3, 2014	SU	(Signature)	3 04 14
11	Installation of Instruments	Verify with BOM, P & ID, Install as Per Drawing and Manufactures Specs.	Vendor P & ID Dwg, HUSKY Specs	Approved P & ID Dwg	This ITP	SU	(Signature)	April 4/11, 2014	SU	(Signature)	11 04 14
12	Process Tubing Installation	Verify with BOM, P & ID, Install as Per Drawing and Manufactures Specs.	Vendor Approved Dwg Check Tubing Material & Wall Thickness	Approved P & ID	This ITP	SU	(Signature)	April 4/21, 2014	SU	(Signature)	11 04 14
13	Instrumentation Air/Gas/Venting Tubing Installation	Verify with BOM, P & ID, Install as Per Drawing and Manufactures Specs.	HUSKY Approved Drawing	Approved P & ID	This ITP	SU	(Signature)	April 4/21, 2014	SU	(Signature)	11 04 14



14	Wiring Installation	Verify with BOM, P & ID, Install as per drawing and Manufacturer Specs.	HUSKY Approved Drawing	HUSKY Specs, Approved Electrical Drawings	This ITP	SU	11/04/14
15	Leak Test	Pressure test	R/V Pressure Test Procedure, P&ID	ASME B31.3 Husky Specs	Pipe Spool Fabrication ITP / This ITP	SU	11/04/14
16	Functional Test	Verification of Package functionality, including instruments and electric equipment/ components	R/V Functional Test Procedure	HUSKY Specs, Approved P&IDs; BOM	This ITP	W	11/04/14
17	Package Completion Inspection	Verify installation of piping component, instruments & tubing. Check Completed Deficiency List and prepare Ship Loose list. Verify Piping/Tubing Support	This ITP	All Approved Dwgs, Equipment Manufacturers Dwgs, HUSKY Specs	This ITP, Vendor Deficiency List	H	11/04/14
18	Equipment Nameplates/ Instrumentation Tags Verification	Verify All	Approved P&IDs; GA; BOM	HUSKY Specs	Approved P&IDs; GA; BOM	SU	11/04/14
19	Building Inspection	Verify All	Assemble to Dwgs to Ensure ease of Operation for Doors, Windows, & Louvers, Door Locks, Checked for Operation. Door key Attached to Door. List of Ship Loose items, Door Canopies, Louver Hoods Removed For Shipping.	HUSKY Specs, Approved Drawings, This ITP	Vendor Deficiency List, This ITP	R	11/04/14
20	Dimensional As-Built For Skid Edge Connections	Verify Skid Edge Connections Based on Latest General Arrangement Dwgs.	This ITP	N/A	Marked Up GA Dwg, This ITP	H	11/04/14
21	Quality Management System	Completed all ITPs & supporting Documentation Complete, HUSKY Document Package Prepared.	HUSKY Instructions For Shipment (Package Completion) Release.	HUSKY Specs	This ITP	SU/R	11/04/14
22	Final Inspection, Verify all Loose Components are in pkg. Ready to Ship, All Open Nozzles Sealed (Ship PSVs Loose)	HUSKY Shipping Specs Met	HUSKY Specifications For Shipment	HUSKY Specs	This ITP	R	11/04/14



Handwritten signature and date:
 [Signature]
 April 11, 2014