

 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP Rev.1		Report n° IP-WSR-P-310-000047_RFI1029_MOD-ITP-XL_220 RFI Nr.: 1029 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000047_RFI1029 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


6111-VA00086-1-SP01;4222-VA21D02-2-SP03;4222-VA21D02-2-SP02;2211-VRG50B04-2-SP09;2211-VRG50B04-2-SP08;2211-VRG50B04-2-SP07;2211-VRG50B04-2-SP06;2211-VA62F04-1-SP05;2211-VA62F04-1-SP01;2211-VA62E01-1-SP06;2211-VA62E01-1-SP05;2211-VA62E01-1-SP01;1123-BU73055-1-SP02;1123-BU73055-1-SP01;1211-CWR89026-2-SP04;1211-CWR89026-2-SP03;1211-CWR89026-2-SP02;1127-PW52012-3-SP05;1126-BDL32037-1-SP01;1126-BDL32036-1-SP03;1124-VA00012-1-SP01;2211-FW68T51-1-SP01;2211-FW68T39-1-SP01;2121-FL41D02-2-SP06;2121-FL41D02-2-SP05;2121-FL41D02-2-SP04;2121-FL41C01-1-SP01;2121-FL41A01-2-SP02;2121-FL41A01-1-SP01;2211-FW68T67-2-SP04;2211-FW68T67-1-SP03;2211-FW68T67-1-SP02;2211-FW68T67-1-SP01

NOTES (*): 4274-XH-PQ-00000001

1) Painting cycle to be indicated.

2) Refer to: 4274-LZ-PC-00000214 (COMPANY 4001008GEN-PC-214) "Management of Site Metallic Welding Activities" and 4274-LZ-PC-00000215 (COMPANY 4001008GEN-PC-215) "Procedure for Traceability of Piping Material"

3) Refer to: 4274-XH-SG-00000003 (COMPANY 45-L-45-000-2-00-80005) "Specification for Piping Fabrication & Erection Amendment to EC-L-51.01 and EC-L-51.02" and 4274-XH-PQ-00000001 (COMPANY 45-L-45-000-2-00-80081) "Inspection and Test Plan for Steel Piping Works"


 Pinto Joaquim
 Mechanical Piping Spv.
 Joaquim Pinto
 05/02/2024


 L.Gomes
 NWI
 R W


LEGEND OF CHECK RESULT	<input checked="" type="checkbox"/> Checked & NOT Accepted	<input checked="" type="checkbox"/> Checked & Accepted	N.A. Not Applicable	Y / N	Punch List Produced
	Date [DD-MMM-YYYY]	Name	Signature		
SUBCONTRACTOR	05/02/2024	Patricio Teixeira	Patricio Teixeira		
CONTRACTOR					
COMPANY					
(Free)					


 QC

ISO Summary List

22635 / 2542

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-FL41D02-2**

Revision **00**

Priority **6**

Piping Size/Class **3-B32S1**

PED Category **I**

Assessment Inspection/Results

Spool	Weld#	Joint	Product Description	Seq. N.	Heat #	M.Certificate	FM-Dos	WPS	WeldDate/Stamp	VT	NDT-PT/MT	NDT-RT/UT	NDT-PMI/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
01	04	S17	BW	3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094						
			3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	PVX2910998										
02	05	S22	BW	3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094	RT: RT-I-0408					
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	PVX2910998										
03	06	S30	BW	3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094	RT: RT-I-0408					
			3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	PVX2910998										
04	06	S29	BW	3" PIPE - A333-6 BE SMLS ✓	453	23102064 ✓	23602074	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094						
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	PVX2910998										
05	06	S28	BW	3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094						
			3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	PVX2910998										
06	06	S27	BW	3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094						
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	PVX2910998										
08	04	S15	BW	3x3" WN FLANGE ASME B16.5 150# A350-LF2 ✓	22904159	BLD-25-0525-019	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094							
			3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	PVX2910998										
10	04	S16	BW	3" PIPE - A333-6 BE SMLS ✓	453	23102064 ✓	23602074	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094						
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	PVX2910998										
13	05	S21	BW	3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094	RT: RT-I-0408					
			3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	PVX2910998										
14	05	S20	BW	3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094						
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	PVX2910998										
16	04	S18	BW	3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094						
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	587	720406 ✓	CE23004182_3.1_01	PVX2910998										
17	06	S31	BW	3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	18:Vareta F	MW.23_BW	21/12/2023	VT-I-094	RT: RT-I-0408					
			3" 45 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	379	710022 ✓	CE23002072_3.1_01	PVX2910998										
18	06	S24	OL	3" PIPE - A333-6 BE SMLS ✓	125	23102062 ✓	23503488	18:Vareta F	MW.23_SBR	21/12/2023	VT-I-094						
			3x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓	2304B-VD41	2023-06-283-40	PVX2910998					MT: MT-I-062-A						

Notes

BW-Butt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld

PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test

UT-Ultrasonic Test; PMI-Positive Material Identification

HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test

Remarks

APPROVED QC

Name: *Patricia Teixeira*

Date: *05/02/2024*

Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**

Date: **L.Gomes**

Sign: *[Signature]*

APPROVED by 3rd party or AI


Name:


Date:

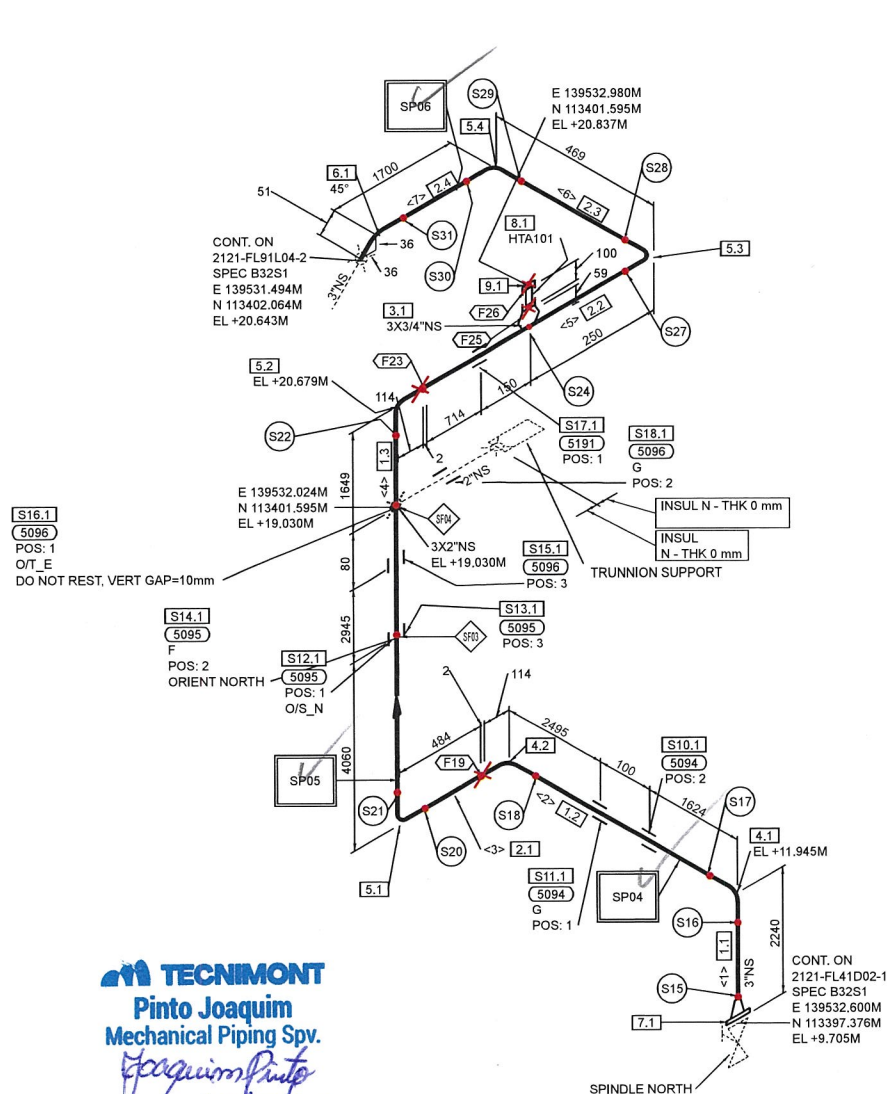
Sign:



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							LINE DATA						
							FLUID CODE: FL			LINE NO. 3"-FL-41D02-B32S1			
							PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.	
	00	22-09-2023	ISSUED FOR CONSTRUCTION			TG							MW
	REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	B32S1	N / O	M	N	1

 Technimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
				Job	ETC	Area	N
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMERS		4274	XHDL	2121	FL4102
				UNIT	19	SHEET	2 REV 00
REFERENCES	PIPING ASIED BY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY		
	194-19-000-2-00-86197 sheet 3		XH-SG-0-00000002		XH-PL-0-00000001		
	PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION		
	XH-LN-21210001		XH-SL-00000002		XH-SW-00000001		



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.

João Paulo
05/02/2024




AS BUILT

AUTHORISED FOR CONSTRUCTION

SIGNED FOR CONSTRUCTION IS SHOWN ON ISO LIST FOR RELEVANT PIPING AREA

LEGENDS							
JOINT TYPE		HMEI TYPE OF JOINT		JOINT TYPE		HMEI TYPE OF JOINT	
RW	G	SW	S	LFT	LET	SOB	B
PV	S	SB	B	LF	RF	SGF	S
L4	RF	SLW	S	MTW	M	THD	TH

 MECWISE <small>ENGINEERING CHALLENGES</small>	Prep.: _____	TG _____	PROC. NR.: _____	PCL 22635
	Status: _____	IFC _____	Date: 22-09-2023	Rev. 01
Dimensional:			Signature: _____	
Before Welding	201023		_____	
After Welding	211023		_____	
<p>* Assinilate deviation in the drawings ("+" or "-").</p> <p>Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)</p>				

PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PE) AND POLYPROPYLENE (PP)
FOR PROJECT - ALBA PROJECT

FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199).	3	I146278	14.6 M	
2	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199) FITTINGS	3	I146278	3.2 M	
3	REDUCING SOCKET MSS-SP-97 3000W A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300LB01511> (L-7906)	3X3/4	I368227	1	
4	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966).	3	I213645	2	
5	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966)	3	I213645	4	
	45 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C02DC09V01 S-STD <45LL210F33STD> (L-7969)	3	I213660	1	
	ELANGES				
7	WN FLANGE ASME B16.5 150W A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CC07BV05 S-STD <WNFL300R153STD> (L-7971).	3	I140827	1	

ERECTION MATERIALS					
PS NO	DESCRIPTION	MS (MM)	ITEM CODE	QTY.	HOLD
	<u>FITTINGS</u>				
8	NIPPLE - - A333-6 PE MTE SMLS LENGTH 100mm R03AGC22ZW04 S-XS <NTLO0205111624> (L-6260)	3/4	13554371	1	
9	CAP ASME B16.11 3000# A350-LF Class 1 FTE NREQD - R41FNC072001 NREQD <CATL300KBK3/4> (L-7902)	3/4	1118032	1	
	<u>SUPPORTS</u>				
10	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	5094	1	
11	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	5094	1	
12	U BOLT (FOR GUIDE)-P02D	3	5095	1	
13	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	5095	1	
14	STOP-HORIZ VERT FOR NOT INS. PIPING-N1F1	3	5095	1	
15	WELDED BRACKET TO STRUCT. SB02 L100X100X10	3	5096	1	
16	WELDED EXTENSIONS-EW05 DN2 = 2 L = 250	3	5096	1	
17	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	5191	1	
18	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	5096	1	

CUT LIST			WELD LIST				BOLT LIST				
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE	BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)	
<1>	2052	3"	S15	S	3"	BW					
<2>	3986	3"	S16	S	3"	BW					
<3>	368	3"	S17	S	3"	BW					
<4>	8501	3"	S18	S	3"	BW					
<5>	1050 990	3"	F19	F	3"	BW					
<6>	237	3"	S20	S	3"	BW					
<7>	1531	3"	S21	S	3"	BW					
			SF03	F	3"	FT					
			SF04	F	3"	FT					
			S22	S	3"	BW					
			F23	F	3"	BW	INCH METER				
			S24	S	3/4"	OL					
			F25	F	3/4"	SW	PIPE NS (IN)		CL LENGTH (M)		
			F26	F	3/4"	THD	3		28.7		
			S27	S	3"	BW	0.75		0.1		
			S28	S	3"	BW					
			S29	S	3"	BW					
			S30	S	3"	BW					
			S31	S	3"	BW					
			ISOMETRIC NO. 4274-SP-XH-DL-2121-FL41D02-2-IS00							SPOOLING REV NO. 00	