

 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1		RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000017_MOD-ITP-XL_220 RFI Nr.: 396 Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000017 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


1211-CWS89032-1-SP04;1211-CWS89032-1-SP03;1211-FW68J01-4-SP08;1211-FW68J01-4-SP07;2121-VA40B02-2-SP04;2121-VA40B02-2-SP03;2121-VA40B02-1-SP02;2121-VA40B02-1-SP01;2121-MS91A01-1-SP13;2121-MS91A01-1-SP12;2121-MS91A01-1-SP11;2121-VG40N11-2-SP10;2121-VG40N11-2-SP09;2121-VG40N11-1-SP02;2121-VG40N11-1-SP01;2121-VA49A08-1-SP01;2121-VA49A05-3-SP05;2121-VA40Z10-1-SP01;2121-VA40Y02-3-SP07;2121-VA40Y02-3-SP06;2121-VA40Y02-2-SP05;2121-VA40Y02-2-SP04;2121-VA40Y02-2-SP03;2121-VA40U05-1-SP01;2121-VA40P04-1-SP01;7111-CWS64009-1-SP01;7111-PA89021-6-SP14;7111-PA89021-6-SP13;7111-N89001-6-SP12;7111-N00D01-1-SP01;1121-BDL43019-6-SP06;1121-BDL43019-6-SP05;1121-BDL43019-3-SP01;1121-BDL31031-3-SP05;1121-JWR64002-1-SP02;1121-JWR64002-1-SP01;1121-JWR40005-1-SP02;1121-JWR40005-1-SP01;121-PN52015-2-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"


JOAQUIM PINTO
PIPING SUP
Joaoquim Pinto

LEGEND OF CHECK RESULT	<input checked="" type="checkbox"/> Checked & NOT Accepted	<input checked="" type="checkbox"/> Checked & Accepted	N.A. Not Applicable	<input type="checkbox"/> V / N Punch List Produced
	Date [DD-MMM-YYYY]	Name	Signature	
SUBCONTRACTOR	09-11-2023	Patricia Teixeira	Patricia Teixeira	
CONTRACTOR	09-11-2023	Luis Gomes	Luis Gomes	
COMPANY				
(Free)				


QC


Luis Gomes
NW1

R
W

ISO Summary List

22635 / 1782

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-MS91A01-1**

Revision **01**

Priority **6**

Piping Size/Class **6-C-6**

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	11	S35	BW 6" 90 LR ELBOW ASME B16.9 A234-WPR BE S 6" PIPE - A106-B BE SMLS	521 116	722833 23101232	CE23004590_3_1_01 23503457	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S260	VT-I-042							
04	12	S37	BW 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S 6" PIPE - A106-B BE SMLS	521 116	722833 23101232	CE23004590_3_1_01 23503457	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S08	VT-I-042							
05	12	S38	BW 6" PIPE - A106-B BE SMLS 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	116 521	23101232 722833	23503457 CE23004590_3_1_01	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S08	VT-I-042							
06	12	S39	BW 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S 6" PIPE - A106-B BE SMLS	521 116	722833 23101232	CE23004590_3_1_01 23503457	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	09/10/2023 S08	VT-I-043							
07	12	S40	BW 6" PIPE - A106-B BE SMLS 6x6" WN FLANGE ASME B16.5 300# A105N RF	116 37	23101232 05HC23	23503457 224997	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	09/10/2023 S08	VT-I-043		RT-RT-I-0193					
08	13	S41	BW 6x6" WN FLANGE ASME B16.5 300# A105N RF 6" PIPE - A106-B BE SMLS	37 116	05HC23 23101232	224997 23503457	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S260	VT-I-042							
08	13	S42	BW 6" PIPE - A106-B BE SMLS 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	116 521	23101232 722833	23503457 CE23004590_3_1_01	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S260	VT-I-042							
10	13	S43	BW 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S 6" PIPE - A106-B BE SMLS	521 116	722833 23101232	CE23004590_3_1_01 23503457	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S260	VT-I-042							
11	13	S44	BW 6" PIPE - A106-B BE SMLS 6x6" WN FLANGE ASME B16.5 300# A105N RF	116 37	23101232 05HC23	23503457 224997	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S260	VT-I-042							
12	11	S34	BW 6x6" WN FLANGE ASME B16.5 300# A105N RF 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S	37 521	05HC23 722833	224997 CE23004590_3_1_01	4 Electrodo - SBX0910262 5 Vareta - PVX1312824	MW.21_BW	06/10/2023 S260	VT-I-042							

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

* 4. Electrodo - SBX0910262
5. Vareta - PVX1312824

APPROVED QC

Name: *F. Gomes*
Date: *09/11/23*
Sign: *[Signature]*

APPROVED by Client


Name: **TECNIMONT**
Date: *L. Gomes*
Sign: *NWI*

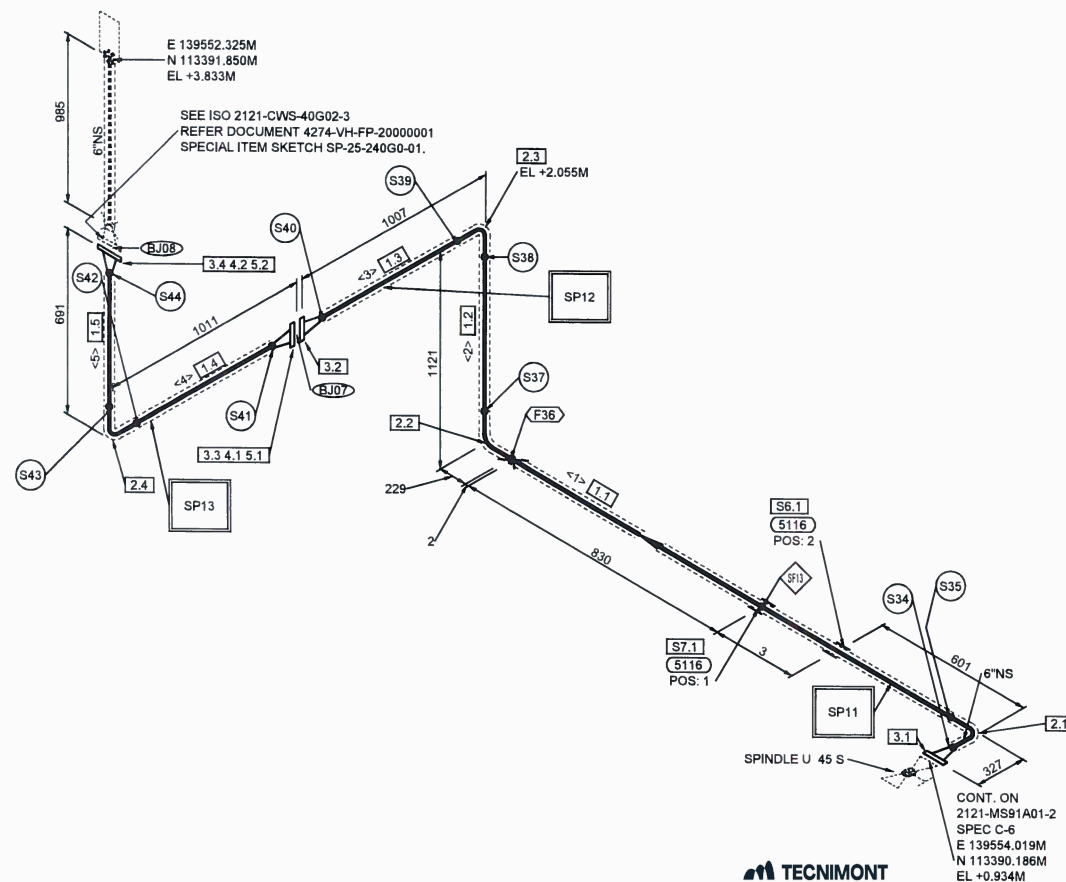
APPROVED by 3rd party or AI

Name: *[Signature]*
Date: *[Signature]*
Sign: *[Signature]*

						LINE DATA							
						FLUID CODE: MS			LINE NO. 6"-MS-91A01-C-6 (HA)				
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
01	06-09-2023	ISSUED FOR CONSTRUCTION			TG	MW	TM						
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	C-6	HA / 120	E	N	NR	19-A-19-000-1-01-00001 sheet 11 of 12

FC-1782

 Tecnimont SINES INDUSTRIAL COMPLEX		PIPING ISOMETRIC		IDENTIFICATION CODE				
				Job	EIC1	Area	N	
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMERS		4274	XHDL	2121	M591A01	
				UNIT	19	SHEET	1 REV 01	
REFERENCES	E C T N		E C T N		E C T N		E C T N	
	TSL-19-0003-0048519 Sheet 1		PIPING SUPPORT SPECIFICATION		XHL-SG-00000002		PIPING STANDARD SUMMARY	
	E C N		E C N		E C N		E C N	
	PIPING ISOMETRIC TSL		PIPING TYPICAL INSTALLATIONS		XHL-SL-00000002		WELDING SPECIFICATION	
	XHL-LD-192110001						XHL-PW-00000001	



TECNIMONT
JOAQUIM PINTO
PIPING SOP
Joaquim Pinto






AS BUILT

AUTHORISED FOR CONSTRUCTION

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

LEGENDS							
JOINT TYPE	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT	JOINT TYPE	HMBL TYPE OF JOINT
BW	G	BW	B	LET	LET	BOB	B
PW	B	BBS	B	LF	RF	BOF	B
LA	RF	BLW	B	MTW	M	THD	TH

 MECWIDE <small>CONSTRUCTING CHALLENGES</small>	Prep:	TG	PROC. NR:	PCL 22635
	Status:	IFC	Date:	06-09-2023 Rev: 0
Dimensional:			Signature:	
Before Welding	5/10/2023			
After Welding	9/10/2023			
* Assimilate deviation in the drawings ("+" or "-"). Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)				

This document is Technimont's property, and cannot be used by others for any purpose without prior written consent.

<p> <input type="checkbox"/> LINES 1, 1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED <input checked="" type="checkbox"/> FIELD WELD SYMBOL, FOR ADJUSTMENT OF N-LINE COMPONENT WHEN WELDED, ONE WELDED FOR ADJUSTMENT OF N-LINE COMPONENT WHEN MARKED <input checked="" type="checkbox"/> FIELD WELD SYMBOL, FOR ADJUSTMENT OF N-LINE COMPONENT WHEN MARKED </p>	<p> ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1, 1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-30-X-L-10-0000-000001 FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-30-X-L-10-0000-000004 </p>
---	---

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.12" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. SUBSEQUENT MUST BE LEFT GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-000000000004. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-L-10-0000-00001

LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED
 FOR THE COMPONENT MARKED AS FIELD WELDED, ONE WELDED FOR ADJUSTMENT OF INLINE
 X FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED

1 DENOTES PARTS LIST NO PIPE A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING
SUPPORT WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE

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

BILL OF MATERIALS

FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<u>PIPE</u>				
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806)	6	1117981	3.6 M	
	<u>FITTINGS</u>				
2	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F36STD> (L-7955)	6	1128667	4	
	<u>FLANGES</u>				
3	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CF044BV05 S-STD <WNFA300R356STD> (L-236)	6	14274965	4	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<u>GASKETS</u>				
4	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP CARBON STEEL SS 316 ASME B16.5 G03GFP11A01 <SPWQ400R36> (L-1528)		I1256132	2	
	<u>BOLTS</u>				
5	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G3/4S> - 2 NUTS PER BOLT - 125 mm Length	3/4	I53437468	24	
	<u>SUPPORTS</u>				
6	STAKES SUPPORTS ST09 HEA120	6	5116	1	
7	RESTING SHOE WELDED -C1A1 H = 150 L = 300	6	5116	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>	1303	6"	S34	S	6"	BW	BJ07	6"	3/4"	125
<2>	960	6"	S35	S	6"	BW	BJ08	6"	3/4"	125
<3>	677	6"	SF13	F	6"	FT				
<4>	679	6"	F36	F	6"	BW				
<5>	359	6"	S37	S	6"	BW				
			S38	S	6"	BW				
			S39	S	6"	BW				
			S40	S	6"	BW				
			S41	S	6"	BW				
			S42	S	6"	BW				
			S43	S	6"	BW				
			S44	S	6"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							6		6.1	