

 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-310-000014_MOD-ITP-XL_220 RFI Nr.: 393		Date :		
Unit -				
Plant Area -				
Isometric Number				
Inspection Package Number IP-WSR-P-310-000014 - IP Spool Release From Workshop				

Sheet 01/01

The Present Inspection Package contains the following Elements:

1121-HCM31012-4-SP17;1121-HCM31012-4-SP16;1121-HCM31012-4-SP15;1121-HCM32019-7-SP09;1121-HCM32019-7-SP08;1121-HCM32019-3-SP07;1121-HCM32019-3-SP06;1121-HCM32019-3-SP05;1121-HCM31022-1-SP01;1121-HCM31019-3-SP02;1121-HCM31019-3-SP01;1121-HCM31012-8-SP22;1121-HCM24077-1-SP05;1121-HCM24077-1-SP04;1121-HCM24085-5-SP16;1121-HCM24085-5-SP15;1121-HCM24085-2-SP05;1121-HCM24085-2-SP04;1121-HCM24085-1-SP03;1121-HCM24085-1-SP02;1121-HCM24085-1-SP01;1121-HCM24072-9-SP06;1121-HCM24072-9-SP05;1121-HCM24073-2-SP06;1121-HCM24073-2-SP05;1121-HCM24057-7-SP11;1121-HCM24057-5-SP10;1121-HCM24057-1-SP02;1121-HCM24057-1-SP01;1111-BDL61001-1-SP01;1111-ET01001-1-SP04;1111-ET01001-1-SP03;1111-ET01001-1-SP02;1111-ET01001-1-SP01;1121-PR34015-7-SP10;1121-PR24033-2-SP09;1121-PR24033-2-SP08;1121-PR24007-1-SP06;1121-PR24007-1-SP05;1121-PR43038-3-SP03;1121-PR43038-3-SP01;2121-CWS40G02-4-SP03;2121-CWS40G02-4-SP02;2121-CWS40G02-2-SP07;7111-HXE10D18-3-SP08;7111-HXE10D18-3-SP07;7111-HXE10D18-3-SP06;7111-HXE10D18-2-SP05;7111-HXE10D18-2-SP04;7111-HXE10D18-2-SP03;7111-HXE10D05-6-SP03;7111-HXE10D05-6-SP02;7111-HXE10D05-6-SP01;2211-VRG50A08-2-SP10;2211-VRG50A08-2-SP09;2211-VRG50A08-2-SP08;2121-VA40C01-1-SP02;2121-VA40C01-1-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"

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	21/11/2023	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	21/11/2023	Luis Gomes	Luis Gomes		
COMPANY					
(Free)					

João Almeida
21/11/2023

JOAQUIM PINTO
PINO-SUP-TEM
João Almeida
21/11/2023

L. Gomes
NW

21/11/2023

ISO Summary List

22635 / 1902

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS40G02-4** ✓

Revision **01**

Priority **6**

Piping Size/Class **24-B-1**

PED Category **III**
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	02	SS02	FT 24" PIPE - A106-B BE SMLS ✓	121	23301997 ✓	23503492											
02	03	S18	BW 24" PIPE - A106-B BE SMLS ✓ 24x24" WN FLANGE ASME B16.5 150# A105N ✓	121	23301997 ✓	23503492	1 Electrodo - SBX0812275	MW.21_BW	10/10/2023	VT-I-044		RT: RT-I-0172					
03	03	SS03	FT 24" PIPE - A106-B BE SMLS ✓	39	19EE23 ✓	225263	5 Vareta - PVX1312824		S260								
04	02	S16	BW 24" PIPE - A106-B BE SMLS ✓ 24" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓	121	23301997 ✓	23503492	1 Electrodo - SBX0812275	MW.21_BW	11/10/2023	VT-I-045							
05	02	S15	BW 24x24" WN FLANGE ASME B16.5 150# A105N ✓ 24" PIPE - A106-B BE SMLS ✓	364	923011 ✓	CE23002057_3.1_01	5 Vareta - PVX1312824		S260								
				39	19EE23 ✓	225263	1 Electrodo - SBX0812275	MW.21_BW	12/10/2023	VT-I-046							
				121	23301997 ✓	23503492	5 Vareta - PVX1312824		S260								

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

* 1. Electrodo - SBX0812275
5. Vareta - PVX1312824

APPROVED QC

Name: **Patricia Teixeira**
Date: **20/11/2023**
Sign: **Patricia Teixeira**

APPROVED by Client

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

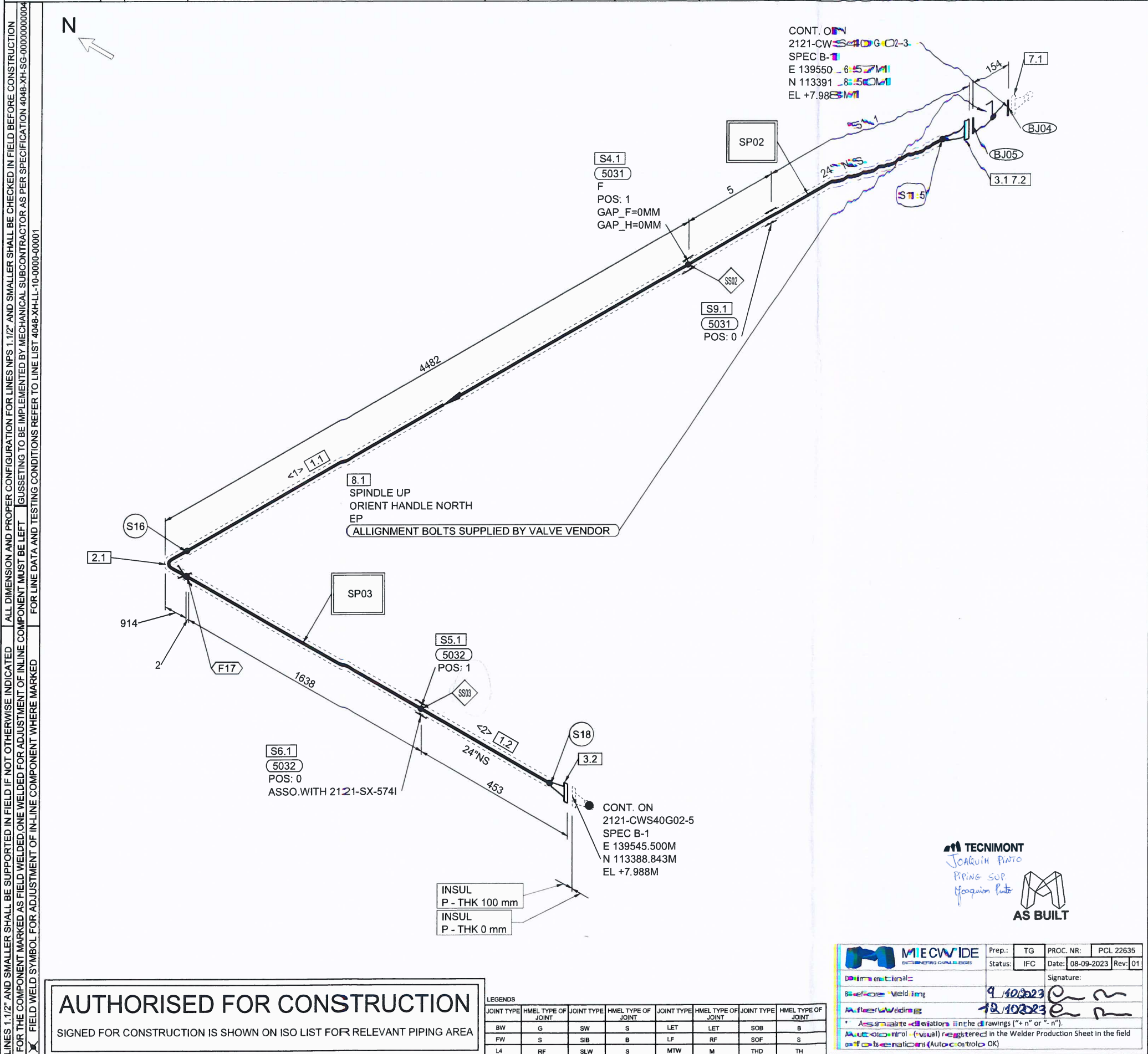
APPROVED by 3rd party or AI

Name: **SGS**
Date: **21/11/2023**
Sign: **SGS**
NoBo 1155 ☐ reviewed by ☐ witnessed by

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							LINE DATA		
							FLUID CODE: CWS		
							LINE NO. 24"-CWS-40G02-B-1 (P)		
	01	08-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D		B-1	P / 100	E
							HEAT TREATMENT	PAINTING CODE	P&ID No.
								1	19-A-19-000-1-01-00001 sheet 37

		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	ITEM	Area	N
				4274	XHDL	2121	CWS40C
				UNIT	19	SHEET	4
				PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION	PIPING STANDARD SUPPORT SUMMARY
				E C T N		XH-SG-00000002	XH-LP-00000000
				PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS	WELDING SPECIFICATION
				E C T N		XH-LD-21210001	XH-SL-00000002



BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B124STD> (L-7806)	24	I117907	5.9 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F324STD> (L-7955)	24	I128581	1
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R1524STD> (L-149)	24	I4067800	2
4	SUPPORTS WELDED AXIAL STOP -C4F1 H = 150 L = 180	24	5031	1
5	RESTING SHOE WELDED -C4A1 H = 150 L = 300	24	5032	1
6	SPECIALITY SUPPORT - SP-029	24	5032	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
7	BOLTS STUD BOLTS&NUTS ASME B18.3.1/2 B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G11/463/4> - 2 NUTS PER BOLT - 175 mm Length	1.1/4	I53438258	40
8	VALVES / IN-LINE ITEMS BUTTERFLY LUG VALVE API 609 150# EPDM LIN A216-WCB RFTBCSE DISC-CF8M , SHAFT-316 FL API 609 GE ASME B16.5 V33IDC35S5B0 NREQD <N/A> (N/A)	24	I64945673	1
9	SUPPORTS SPECIALITY SUPPORT - SP-043	24	5031	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)	LEN (IN)
<1>	3926	24"	S15	S	24"	BW	BJ04	24"	1.1/4"	17
<2>	2137	24"	SS02	S	24"	FT	BJ05	24"	1.1/4"	17
			S16	S	24"	BW				
			F17	F	24"	BW				
			SS03	S	24"	FT				
			S18	S	24"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
24	8.2

AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE		HMEI TYPE OF JOINT		JOINT TYPE		HMEI TYPE OF JOINT		JOINT TYPE		HMEI TYPE OF JOINT	
BW	G	SW	S	LET	LET	SOB	B	FW	S	SIB	S
L4	RF	SLW	S	MTW	M	THD	TH				

 MIECOWIDE INCORPORATING CHALLENGES		Prep.: TG	PROC. NR: PCL 22635
		Status: IFC	Date: 08-09-2023 Rev: 01
		Signature:	
Dimensions:		9/10/2023 	
Before Welding		12/10/2023 	
After Welding			
* Assimilate dimensions in the drawings ("+" or "-").			
Autocontrol (visual) registered in the Welder Production Sheet in the field			
Autocontrol (Autocontrol) OK			

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

ISOMETRIC NO. 4274-SP-XH-DL-2121-CWS40G02-4-IS01

SPOOLING REV NO