

 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-310-000055_RFI1119 MOD-ITP-XL_220	
		RFI Nr.: 1119	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000055_RFI1119 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:




2211-VRG50A09-1-SP02;2211-VRG50A09-1-SP01;2211-VRG50A08-1-SP11;2211-VRG50A08-1-SP07;2211-VRG50A08-1-SP06;2211-VRG50A08-1-SP05;2211-FL50A02-4-SP09;2211-FL50A02-4-SP08;2211-CWR40G04-3-SP04;2211-CWR40G04-2-SP03;2211-CWR40G04-2-SP02;2211-CWR40G04-1-SP01;2211-CWR40B02-3-SP04;2211-CWR40B02-3-SP03;2121-VRG41B13-1-SP05;2121-VG40P02-1-SP01;2121-FL40K02-1-SP02;2121-FL40K02-1-SP01;2121-FL40C01-3-SP04;2121-FL40C01-3-SP03;2121-ET40F04-1-SP02;2121-ET40F04-1-SP01;2121-ET40A07-7-SP04;2121-CWS40G04-1-SP03;2121-CWS40G04-1-SP02;2121-CWS40G04-1-SP01;2121-CWS40G03-2-SP02;2121-CWS40G03-1-SP01-ZZ;2121-CWR40B02-3-SP07;2121-CWR40B02-3-SP06;2121-CWR40B02-1-SP11;2121-CWR40B02-1-SP02;2121-CWR40B02-1-SP01;2121-COM40B01-1-SP02;2121-COM40B01-1-SP01;2121-BU10C13-2-SP05;2121-BU10C13-2-SP04

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"

 L.Gomes NWI	 Pinto Joaquim Mechanical Piping Spv. Joaquim Pinto	JOT Amora 20/02/2024  NoBo 1155
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
SUBCONTRACTOR	20/02/2024	Patricia Teixeira
CONTRACTOR		Patricia Teixeira
COMPANY		
(Free)		



ISO Summary List

22635 / 1330
Page 1

Client **TECNIMONT/REPSOL**
Local **Portugal**

Job # **22635**
Project **4274 ALBA-I007 Piping Fabrication**

% RT/UT
% PT/MT

ISO # **2121-CWR40B02-3**
Piping Size/Class **24-B-1**

Revision **01**
PED Category **III**

Priority **6**
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 06	S26	BW	24" PIPE - A106-B BE SMLS ✓ 24x24" WN FLANGE ASME B16.5 150# A105N ✓	653	03B00195Y ✓	G2305003-05	3:Eletrodo - SBX1211788 16:Vareta - PVX2911394	MW.21_BW	06/11/2023 S260	VT-I-064							
04 07	S27	BW	24x24" WN FLANGE ASME B16.5 150# A105N ✓ 24" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓	39	03EE23 ✓	Z25263	3:Eletrodo - SBX1211788 16:Vareta - PVX2911394	MW.21_BW	14/11/2023 S46	VT-I-070							
05 07	S28	BW	24" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓ 24" PIPE - A106-B BE SMLS ✓	364	923011 ✓	CE23002057_3.1_01	3:Eletrodo - SBX1211788 16:Vareta - PVX2911394	MW.21_BW	07/11/2023 S46	VT-I-065							
06 07	S29	BW	24" PIPE - A106-B BE SMLS ✓ 24" STRAIGHT TEE ASME B16.9 A234-WPB BE ✓	653	03B00195Y ✓	G2305003-05	3:Eletrodo - SBX1211788 16:Vareta - PVX2911394	MW.21_BW	08/11/2023 S46	VT-I-066							
07 07	S30	BW	24" STRAIGHT TEE ASME B16.9 A234-WPB BE ✓ 24" PIPE - A106-B BE SMLS ✓	270	946147 ✓	CE23007064_3.1_01	3:Eletrodo - SBX1211788 16:Vareta - PVX2911394	MW.21_BW	14/11/2023 S46	VT-I-070							
08 07	S31	BW	24" PIPE - A106-B BE SMLS ✓ 24" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓	653	03B00195Y ✓	G2305003-05	3:Eletrodo - SBX1211788 16:Vareta - PVX2911394	MW.21_BW	08/11/2023 S260	VT-I-066							
09 06	S25	BW	24" 90 LR ELBOW ASME B16.9 A234-WPB BE ✓ 24" PIPE - A106-B BE SMLS ✓	364	923011 ✓	CE23002057_3.1_01	3:Eletrodo - SBX1211788 16:Vareta - PVX2911394	MW.21_BW	06/11/2023 S08	VT-I-064							

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: *19/02/2024*
Sign: *Patricia Teixeira*

APPROVED by Client

Name: *L. Gomes*
Date: *NWI*
Sign: *[Signature]*

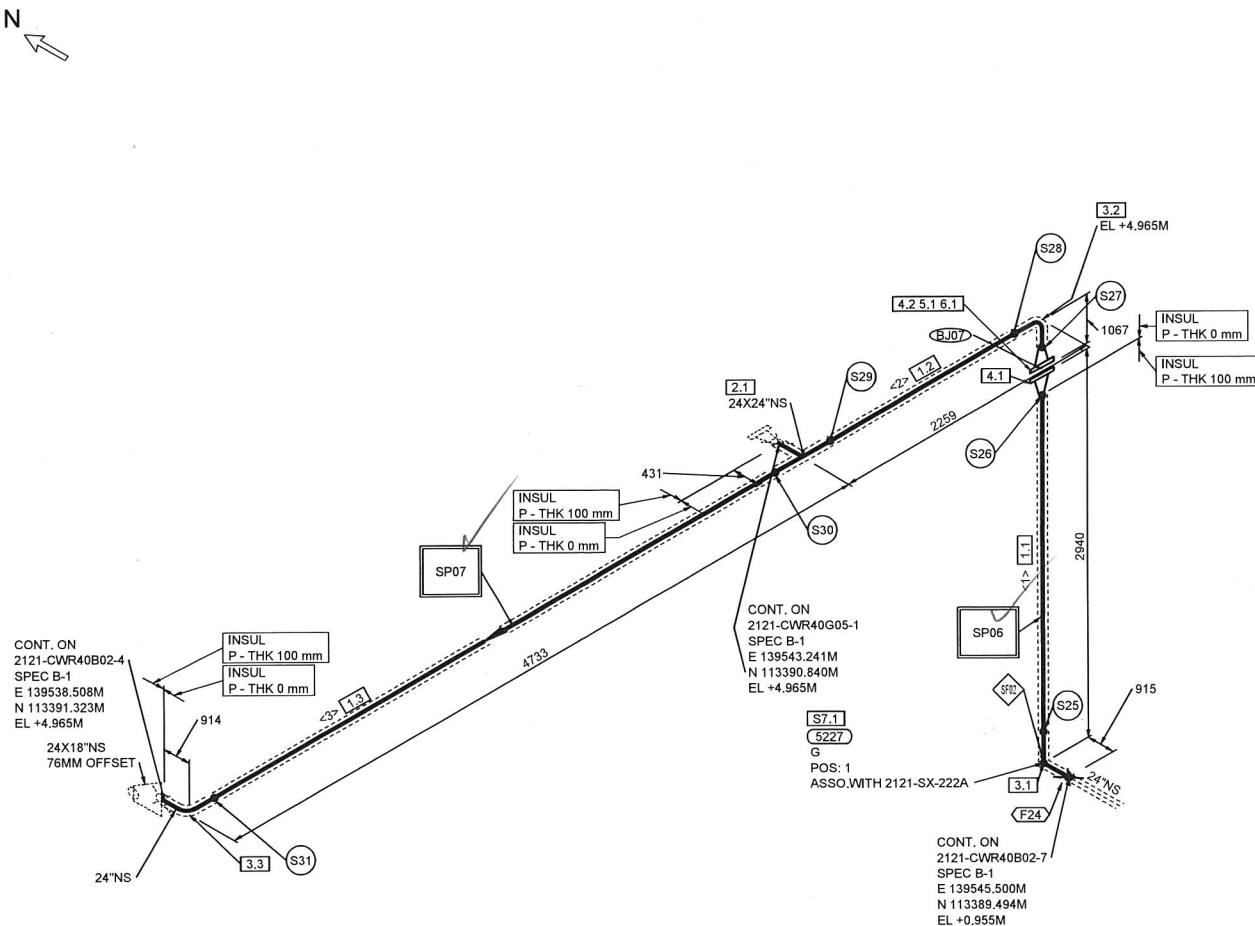
APPROVED by 3rd party or AI

Name: *João Amador*
Date: *20/02/2024*
Sign: *[Signature]*

NOTED	ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NP8 1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION
NOTED	GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 404B-XH-SG-0000000000000000
NOTED	FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 404B-XH-L-10-0000-00001




						LINE DATA				
						FLUID CODE: CWR			LINE NO. 24"-CWR-40B02-B-1 (P)	
						PIPING	WELD	HEAT		
						MATERIAL CLASS	INSULATION	CLASS	TREATMENT	P&ID No.
01	23-08-2023	ISSUED FOR CONSTRUCTION			TG	MW	TM			
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	B-1	P / 100	E N 1 19-A-19-000-1-01-00001 sheet 3



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
20/02/2024



 MECWISE ENGINEERING CHALLENGES	Prep.: _____	TG _____	PROC. NR: _____	PCL 226: _____
	Status: _____	IFC _____	Date: 23-08-2023	Rev: _____
Dimensional:			Signature: _____	
Before Welding	5/14/2023		_____	
After Welding	14/11/2023		_____	
* Assimilate deviation in the drawings ("+" or "-" n"). Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)				

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	JOINT TYPE	HMEI. TYPE OF JOINT	JOINT TYPE	HMEI. TYPE OF JOINT
BW	G	BW	B	LET	LET	SOB	B
PW	S	SB	B	LF	RF	SOF	S
L.A.	SH	SW	B	MTW	M	THD	TH

1	PIPE SUPPORT	A = RESTING SUPPORT	G = GUIDE	F = AXIAL RESTRAINT	B = GUIDE + STOP	M = SPRING
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



PIPING ISOMETRIC

PLANT: SINES INDUSTRIAL COMPLEX

CLIENT REF: REPSOL POLYMEROS

IDENTIFICATION CODE						
Job		E I C T		Area		N
4274		XHDL		2121		CWR40B02
UNIT		19		SHEET		3 REV 01
T N		PIPING STANDARD SUPPORT SUMMARY			E C T N	
G-00000002					XH-LP-00000001	
T N		WELDING SPECIFICATION			E C T N	
L-00000002					XH-SW-00000001	

BILL OF MATERIALS

FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	<u>PIPE</u> PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B1245TD> (L-7808)	24	I117907	6.2 M	
2	<u>FITTINGS</u> STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD <TEBA200F326152615> (L-6956)	24X24	I129150	1	
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F324STD> (L-7955)	24	I128581	3	
4	<u>FLANGES</u> WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R1524STD> (L-149)	24	I4067800	2	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
5	GASKETS FLAT RING GASKET ASME B16.21 150# RTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC24> (L-NMG11)	24	I1169044	1	
6	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G11/463/4> - 2 NUTS PER BOLT - 175 mm Length	1,1/4	I53438258	20	
7	SUPPORTS WELDED BASE -BW01 DN2 = 20 L = 450	24	5227	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>	1870	24"	F24	F	24"	BW	BJ07	24"	1.1/4"	175
<2>	909	24"	SF02	F	24"	FT				
<3>	3383	24"	S25	S	24"	BW				
			S26	S	24"	BW				
			S27	S	24"	BW				
			S28	S	24"	BW				
			S29	S	24"	BW				
			S30	S	24"	BW				
			S31	S	24"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							24		13.3	
ISOMETRIC NO. 4274-SP-XH-DL-2121-CWR40B02-3-IS01									SPOOLING REV NO. 01	