

 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-310-000046_RFI914 MOD-ITP-XL_220	
		RFI Nr.: 914	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000046_RFI914 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2211-FW68T63-2-SP01;2211-FW68T62-1-SP02;2211-FW68T62-1-SP01;2121-CWS40B04-2-SP04;2121-CWS40B04-2-SP03;2121-CWS40B04-2-SP02;2121-CWS40B04-1-SP01-ZZ;2121-VA49A04-3-SP13;2121-VA49A02-3-SP06;2121-VA40P04-2-SP03;2121-VA40P04-2-SP02;2121-VA00108-1-SP02;2121-VA00108-1-SP01;2121-LPN91S10-2-SP07;2121-LPN91S10-2-SP06;2121-LPN91S10-2-SP05;1123-N72007-1-SP01;1123-N72006-1-SP02;1123-N72006-1-SP01;1123-JWS64035-1-SP01;1123-JWR72003-1-SP01;1123-BU73047-1-SP02;1123-BU73047-1-SP01;2211-N91M32-3-SP01;2211-VRG50B04-1-SP02;2211-VRG52A01-1-SP01;2211-VRG50B04-3-SP05;2211-VRG50B04-3-SP04;2211-VRG50B04-3-SP03;2211-VRG50B04-3-SP01-ZZ

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
L. Gomes
 05/02/2024

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	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR					
COMPANY					
(Free)					

QC

ISO Summary List

22635 / 2123

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS40B04-2**




Revision **00**

Priority **6**

Piping Size/Class **4-B-1**

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	02	S13	BW 4x3" ECCENTRIC REDUCER ASME B16.9 A234-3" PIPE - A106-B BE SMLS	205	11907	CE23007070_3.1_01	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
02	01	S07	BW 4" PIPE - A106-B BE SMLS	19	23101887	23310546	16:Vareta	MW.20_BW	27/11/2023 B371	VT-I-078							
03	01	S08	BW 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	341	17357	CE23001997_3.1_01	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063		RT: RT-I-0263					
05	02	S10	BW 4" PIPE - A106-B BE SMLS	19	23101887	23310546	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063		RT: RT-I-0267					
06	02	S12	BW 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	341	17357	CE23001997_3.1_01	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
07	03	S17	BW 4x3" ECCENTRIC REDUCER ASME B16.9 A234-4" PIPE - A106-B BE SMLS	205	11907	CE23007070_3.1_01	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
08	03	S21	BW 4" PIPE - A106-B BE SMLS	19	23101887	23310548	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
09	04	S22	BW 4x4" WN FLANGE ASME B16.5 150# A105N RF	36	10EE23	224878	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063		RT: RT-I-0267					
10	04	S23	BW 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	341	17357	CE23001997_3.1_01	16:Vareta	MW.20_BW	03/11/2023 B371	VT-I-063		RT: RT-I-0267					
11	02	S11	BW 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	341	17357	CE23001997_3.1_01	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
12	03	S18	OL 4" PIPE - A106-B BE SMLS	19	23101887	23310548	16:Vareta	MW.20_SBR	03/11/2023 S281	VT-I-063		MT: MT-I-031-A					
14	04	S24	BW 4x1.5" REDUCING SOCKOLET MSS SP-97 3000	425	2079346	CE/2022/1596	16:Vareta	MW.20_BW	03/11/2023 B371	VT-I-063							
15	02	S14	BW 4x3" ECCENTRIC REDUCER ASME B16.9 A234-3x3" WN FLANGE ASME B16.5 150# A105N RF	205	11907	CE23007070_3.1_01	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
16	03	S15	BW 3x3" WN FLANGE ASME B16.5 150# A105N RF	36	043A22	224878	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
17	03	S16	BW 3" PIPE - A106-B BE SMLS	17	23211709	23310546	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
			4x3" ECCENTRIC REDUCER ASME B16.9 A234-	205	11907	CE23007070_3.1_01	16:Vareta	MW.20_BW	03/11/2023 S281	VT-I-063							
Notes				Remarks				APPROVED QC			APPROVED by Client			APPROVED by 3rd party or AI			
BW-Butt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld								Name: Patricia Teixeira			Name: 			Name:			
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test								Date: 05/02/2024			Date:  R W			Date:			
UT-Ultrasonic Test; PMI-Positive Material Identification								Sign: Patricia Teixeira			Sign: 			Sign:			
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test																	



FLUID CODE: CWS				LINE DATA			
PIPING MATERIAL CLASS				INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE
B-1				N / D	E	N	1
P&ID No.				19-A-19-000-1-01-00001 sheet 107			
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D		
00	14-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM		

IDENTIFICATION CODE		Area		CWS40B04	
Job	4274	XHDL	2121	2	00
UNIT	19	SHEET	2	REV	00
PIPING ISOMETRIC		CLIENT REF: REPSOL POLYMEROS			
PIPING ISOMETRIC LIST	19-L-19-000-1-01-00001 sheet 2	PIPING SUPPORT SPECIFICATION	XH-SG-000000002	PIPING STANDARD SUPPORT SUMMARY	XH-LP-000000001
PIPING ISOMETRIC LIST	XH-LD-21210001	PIPING TYPICAL INSTALLATIONS	XH-SL-000000002	WELDING SPECIFICATION	XH-SW-000000001

BILL OF MATERIALS

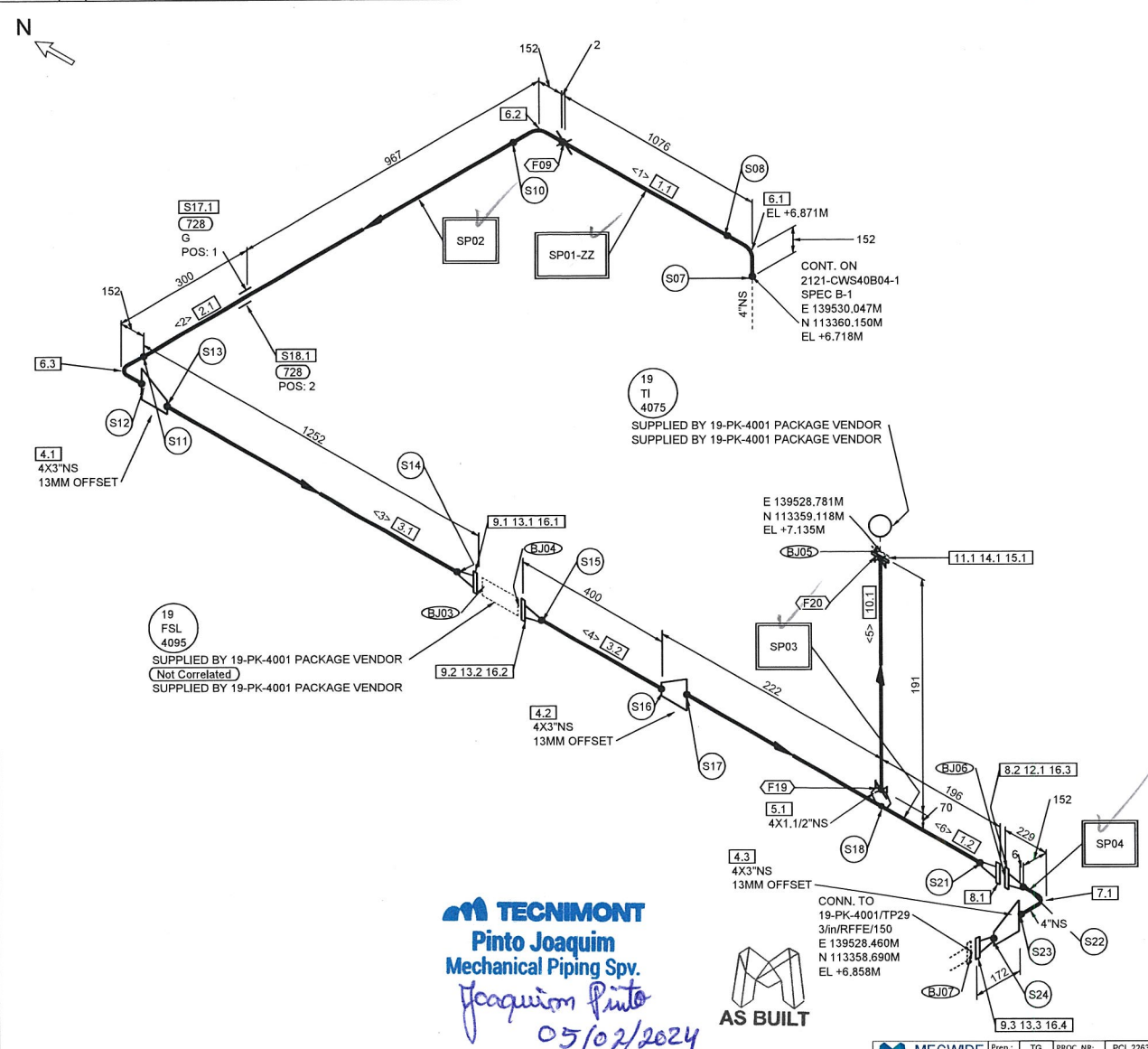
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806)	4	I117953	1.2 M	
2	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806)	4	I117953	1.0 M	
3	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	1.5 M	
4	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERA200F345TD> (L-7959)	4X3	I128235	3	
5	REDUCING SOCKLETS MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SKA300LB01613> (L-343)	4X1.1/2	I1651322	1	
6	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F345TD> (L-7955)	4	I128635	3	
7	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F345TD> (L-7955)	4	I128635	1	
8	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01DC04BV05 S-STD <WNFA300R154STD> (L-149)	4	I5355796	2	
9	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01DC04BV05 S-STD <WNFA300R153STD> (L-149)	3	I4217820	3	

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
10	PIPE - A106-B PE SMLS T01AC03202 S-XS <PIPA010A111/2XS> (L-6679)	1.1/2	I132809	0.2 M	
11	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R3511/2XS> (L-375)	1.1/2	I9762192	1	
12	FLANGES				
13	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2Q0R1 <NMG009R1FC4> (L-NMG11)	4	I1169033	1	
14	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2Q0R1 <NMG009R1FC3> (L-NMG11)	3	I1169032	3	
15	FLAT RING GASKET ASME B16.21 300# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HFP2Q0R1 <NMG009R3FC11/2> (L-NMG10)	1.1/2	I1169053	1	
16	BOLTS				
17	STUD BOLTS&NUTS ASME B18.2.1/B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/41/2> - 2 NUTS PER BOLT - 90 mm Length	3/4	I53437635	4	
18	STUD BOLTS&NUTS ASME B18.2.1/B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	20	
19	SUPPORTS				
20	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	4	728	1	
21	VERTICAL STAKES WELDED TO STR. ST46 HEA120	4	728	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)
<1>	958	4"	S01	S	4"	BW	BJ03	3"
<2>	1078	3"	S02	S	4"	BW	BJ04	3"
<3>	308	3"	F03	F	4"	BW	BJ05	1.1/2"
<4>	175	1.1/2"	S04	S	4"	BW	BJ06	4"
<5>	238	4"	S05	S	4"	BW	BJ07	3"
<6>			S06	S	4"	BW		
			S07	S	3"	BW		
			S08	S	3"	BW		
			S09	S	3"	BW		
			S10	S	3"	BW		
			S11	S	4"	BW		
			S12	S	1.1/2"	OL		
			F13	F	1.1/2"	SW		
			F14	F	1.1/2"	SW		
			S15	S	4"	BW		
			S16	S	4"	BW		
			S17	S	4"	BW		
			S18	S	3"	BW		
INCH METER								
PIPE NS (IN)			CL LENGTH (M)					
4			4.0					
3			1.8					
1.5			0.2					
ISOMETRIC NO. 4274-SP-XH-DL-2121-CWS40B04-21S00						SPOOLING REV NO. 00		

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED

FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4006-XH-L-10-0000-00001



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



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

MECOWIDE	Prep: TG	PROC. NR: PCL 22635
	Status: IFC	Date: Rev: 00
Dimensional:	Signature:	
Before Welding:		
After Welding:		
* Assinilate deviation in the drawings ("n" or "n")		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)		

1 DENOTES PARTS LIST NO

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

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