

 TECNIMONT Tecnimont S.p.A.	 REPSOL 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-310-000024_RFI545 MOD-ITP-XL_220
		RFI Nr.: 545	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000024_RFI545 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

7111-PR52A04-3-SP08;7111-PR52A04-3-SP07;7111-PR52A04-3-SP06;7111-PR52A04-1-SP02;7111-PR52A04-1-SP01;7111-HCM52D01-9-SP26;7111-HCM52D01-9-SP25;7111-HCM52D01-11-SP28;7111-HCM52D01-11-SP27;7111-HCM50E01-3-SP07;7111-HCM50E01-3-SP06;7111-HCM50E01-3-SP05;7111-FL52A07-2-SP04;7111-FL52A07-2-SP03;7111-FL52A07-2-SP02;2211-CWR40B02-2-SP02;2121-VRG41B13-2-SP04;2121-VRG41B13-2-SP03;2121-VRG41B13-2-SP02;2121-HXE10C36-2-SP06;2121-HXE10C36-2-SP05;2121-ET40S05-2-SP03;2121-ET40F05-6-SP11;2121-ET40F05-6-SP10;2121-ET40F05-5-SP08;2121-ET40F04-6-SP18;2121-ET40F04-6-SP17;2121-ET40F04-11-SP06;2121-ET40F04-11-SP05;2121-COM40A01-1-SP01;1121-PR43049-2-SP04;1121-PR43049-2-SP03;1121-PR43049-2-SP02;1121-PR43049-2-SP01;1121-PR34022-1-SP09;1121-PR34022-1-SP08;1121-PR33019-7-SP01;1121-PR22015-4-SP09;1121-PR22015-3-SP08;1121-PR22015-3-SP07;1121-PR22015-1-SP04;1121-PR22015-1-SP03;1121-PR22015-1-SP02;1121-PR22015-1-SP01;1121-JWS24011-1-SP02;1121-JWS24011-1-SP01;1121-JWR24006-2-SP04;1121-JWR24006-2-SP03;1121-JWR24006-1-SP02;1121-JWR24006-1-SP01;1121-HCM40001-1-SP02;1121-HCM40001-1-SP01;1121-HCM31018-2-SP02;1121-HCM31018-2-SP01;1121-HCM24089-3-SP05;1121-HCM24089-3-SP04;1121-HCM23046-2-SP06;1121-CHWS24002-4-SP06;1121-CHWS24002-3-SP05;1121-CHWS24002-3-SP04;1121-CHWS24002-3-SP03;1121-CHWR43010-1-SP03;1121-CHWR43010-1-SP02;1121-CHWR43010-1-SP01;1121-CHWR24003-1-SP02;1121-CHWR24003-1-SP01;1111-FL60004-2-SP03;1111-BDL51015-2-SP02

JOAQUIM PINTO
 PIPING SUP. TECH
 Joaquim Pinto 06/12/2023



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

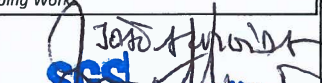
1) Painting cycle to be indicated.

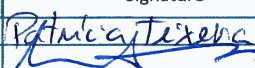

2) Refer to: 4274-LZ-PC-00000214 (COMPANY 4001008GEN-PC-214) "Management of Site Metallic Welding Activities" and 4274-LZ-PC-00000215 (COMPANY 4001008GEN-PC-215) "Procedure for Traceability of Piping Material"

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
 06/12/2023


 Patricia Texeira

 LG


SGS
 NoBo 1155
 06/12/2023

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	06/12/2023	Patricia Texeira		
CONTRACTOR	06/12/2023	Luis Gomes		
COMPANY				
(Free)				

ISO Summary List

22635 / 1229

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-ET40S05-2**

Revision **00**

Priority **6**

Piping Size/Class **2-1E21**

PED Category **II**
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	03	S12	BW	2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	5-Varela	MW.20_BW	23/08/2023	VT-I-009						
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824		S46								
03	03	S11	BW	2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	5-Varela	MW.20_BW	24/08/2023	VT-I-010						
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	PVX1312824		S46								
04	03	S21	BW	2" PIPE - A106-B BE SMLS	16	23101884	23310545	5-Varela	MW.20_BW	23/08/2023	VT-I-009						
			2x2" WN FLANGE ASME B16.5-300# A105N RF	39	B8AV0	225263	PVX1312824		S46								
13	03	S10	BW	2" PIPE - A106-B BE SMLS	16	23101884	23310545	5-Varela	MW.20_BW	23/08/2023	VT-I-009	RT: RT-I-093					
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	PVX1312824		S46								

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: *05/12/2023*
Sign: *Patricia Teixeira*

APPROVED by Client


Name: **TECNIMONT**
Date: *L. Gomes* **R** **1**
Sign: *L. Gomes* **W**

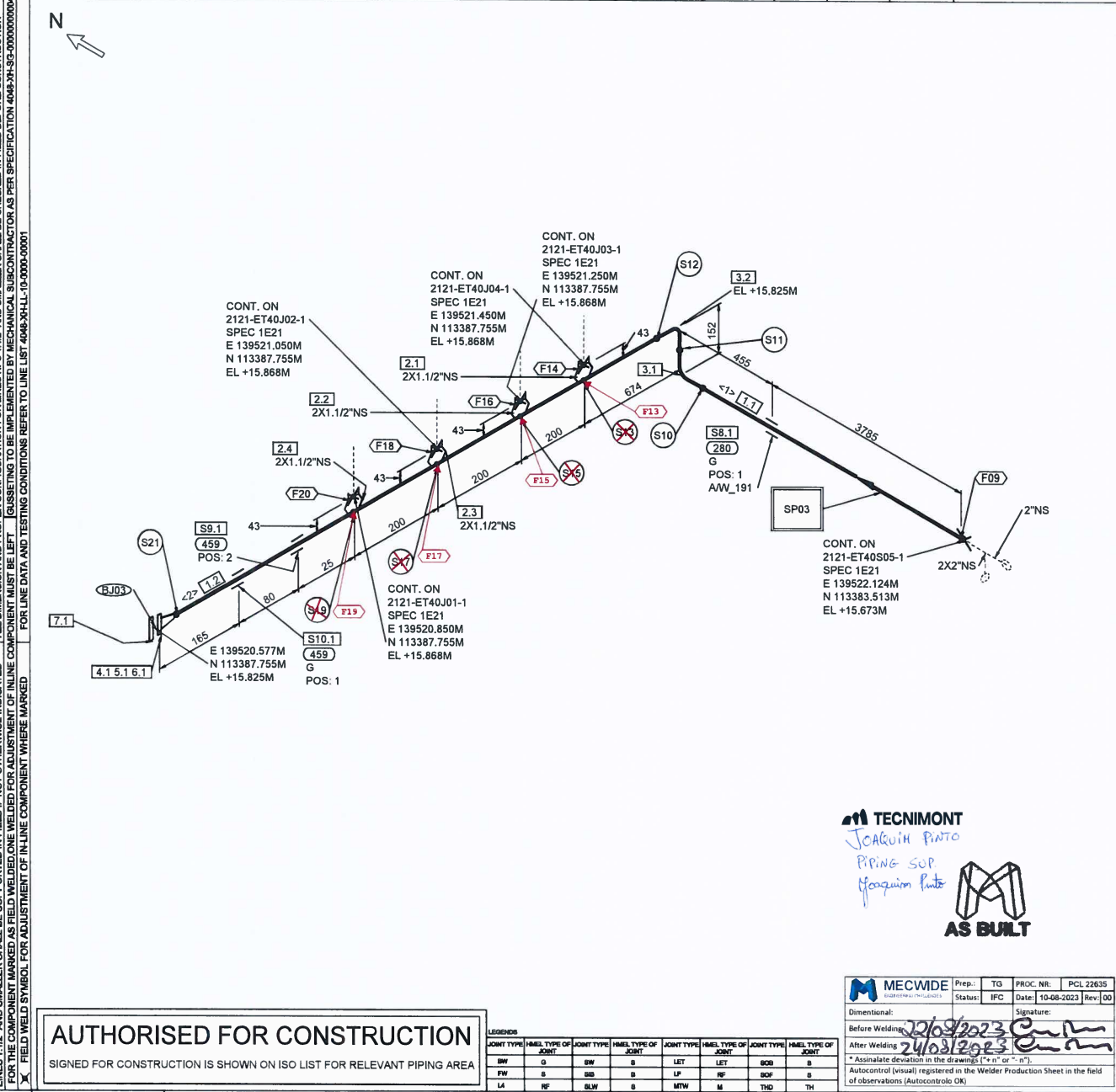
APPROVED by 3rd party or AI

Name: *João Almeida*
Date: *06/12/2023*
Sign: *João Almeida*



FLUID CODE: ET				LINE DATA			
PIPING MATERIAL CLASS				INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE
1E21				N / 0	E	N	1
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	P&ID No.	
00	10-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	19-A-19-000-1-01-00001 sheet 47	

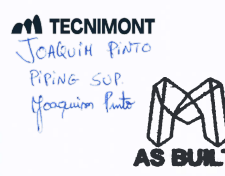
		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	EIC	Area	N
				4274	XHDL	2121	ET40S05
				UNIT	19	SHEET	2 REV 00
REFERENCES		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY		PIPING TYPICAL INSTALLATIONS	
PIPING ASSEMBLY DRAWING		PIPING ISOMETRIC LIST		WELDING SPECIFICATION		PIPING TYPICAL INSTALLATIONS	
19-L-19400-2-00-86196 sheet 5		XH-L-D-21210001		XH-SG-00000002		XH-LP-00000001	



BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806)	2	1117862	5.6 M
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01413> (L-343)	2X1.1/2	17843413	4
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F32STD> (L-7955)	2	1128529	2
4	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CF44BV05 S-STD <WVFA300R352STD> (L-236)	2	15355797	1
ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP11S12 <N/A> (N/A)	2	163508961	1
6	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	153437440	8
7	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CF44B005 <BLFA300R352> (L-143)	2	11652384	1
8	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	280	1
9	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	459	1
10	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	459	1
CUT LIST				
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.
<1>	4162	2"	F09	F
<2>	1394	2"	S10	S
WELD LIST				
WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE	BOLT NO
F09	F	2"	BW	BJ03
S10	S	2"	BW	
S11	S	2"	BW	
S12	S	2"	BW	
F13	S	1.1/2"	OL	
F14	F	1.1/2"	SW	
F15	S	1.1/2"	OL	
F16	F	1.1/2"	SW	
F17	S	1.1/2"	OL	
F18	F	1.1/2"	SW	
F19	S	1.1/2"	OL	
F20	F	1.1/2"	SW	
S21	S	2"	BW	
BOLT LIST				
BOLT NO	FLANGE SIZE (IN)	SIZE (IN)	LENGTH (MM)	
BJ03	2"	5/8"	90	
INCH METER				
PIPE NS (IN)		CL LENGTH (M)		
2		11.7		

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

JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE
SW	G	SW	B	LT	LET	BOB	B	FW	B
LA	RF	BLW	B	MTW	B	THD	TH		



MECWIDE	Prep.	TG	PROC. NR.	PCL 22635
Status:	IFC	Date:	10-08-2023	Rev: 00
Dimensional:	Signature:			
Before Welding:	Signature:			
After Welding:	Signature:			