

 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-310-000030_RFI727_MOD-ITP-XL_220 RFI Nr.: 727
Unit -		Date :	
Plant Area -			
Isometric Number			
Inspection Package Number		IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop	

Sheet 01/01

The Present Inspection Package contains the following Elements:


2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-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
 04/01/2024


 NoBo 1155
 reviewed by
 witnessed by
 04/01/2024

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	04/01/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	Joaoquin Pinto		
COMPANY					
(Free)					


 QC
 SUP. TEM

ISO Summary List

 # 22635 / 1355
 Page 1

 Client **TECNIMONT/REPSOL**

 Job # **22635**

% RT/UT

 Local **Portugal**

 Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

 ISO # **2121-ET40F04-7**

 Revision **00**

 Priority **6**

 Piping Size/Class **3-1E21**

 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-PM/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
01	15	S97 ✓ BW	3" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	394 17	215148 ✓ 23211709 ✓	CE23002008_3.1_01 23310546	16-Vareta PVX2911394	MW.20_BW	02/11/2023 S46	VT-I-062 ✓							
04	16	S99 ✓ BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 3" PIPE - A106-B BE SMLS ✓	228 17	215148 ✓ 23211709 ✓	CE23002054_3.1_01 23310546	16-Vareta PVX2911394	MW.20_BW	02/11/2023 S46	VT-I-062 ✓							
05	16	S100 ✓ BW	3" PIPE - A106-B BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	17 228	23211709 ✓ 215148 ✓	23310546 CE23002054_3.1_01	16-Vareta PVX2911394	MW.20_BW	02/11/2023 S46	VT-I-062 ✓							
06	16	S101 ✓ BW	3" STRAIGHT TEE ASME B16.9 A234-WPB BE ✓ 3" PIPE - A106-B BE SMLS ✓	213 17	782363 ✓ 23211709 ✓	CE23007078_3.1_01 23310546	16-Vareta PVX2911394	MW.20_BW	02/11/2023 S46	VT-I-062 ✓							
08	15	S94 ✓ BW	3" PIPE - A106-B BE SMLS ✓ 3x3" WN FLANGE ASME B16.5 300# A105N RF ✓	17 38	23211709 ✓ 70HC22 ✓	23310546 225129	16-Vareta PVX2911394	MW.20_BW	02/11/2023 S46	VT-I-062 ✓							

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: *04/01/2023*
 Sign: *Patricia Teixeira*
APPROVED by Client

 Name: **TECNIMONT**
 Date: *L. Gomes*
 Sign: *NWI*
APPROVED by 3rd party or AI

 Name: *João Amaro*
 Date: *09/01/2024*
 Sign: *SGS*
 NoBo 1155 ☐ reviewed by ☐ witnessed by



						LINE DATA							
						FLUID CODE: ET		LINE NO. 3"-ET-40F04-1E21					
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
00	22-08-2023	ISSUED FOR CONSTRUCTION			TG	MW	TM						
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	1E21	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 36

PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		IDENTIFICATION CODE			
				Job	EIC	Area	N
				4274	XHDL	2121	ET40F04
				UNIT	19	SHEET	7
				REV	00		
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY		PIPING TYPICAL INSTALLATIONS	
19-L-19-000-1-00-86197 sheet 8		XH-SG-00000002		XH-LP-00000001		XH-SL-00000002	
PIPING ISOMETRIC LIST		XH-LD-21210001		XH-SL-00000002		XH-SW-00000001	

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	5.8 M	
2	FITTINGS STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD	3X3	I129163	1	
3	REDUCING SOKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343)	3X3/4	I1651368	1	
4	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F33STD> (L-7956)	3	I201301	1	
5	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	1	
6	FLANGES WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNAFA300R353STD> (L-236)	3	I4217653	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
7	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1S12 <N/A> (N/A)	3	I63508968	1	
8	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/194-2H INCH SIZE I010B0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 110 mm Length	3/4	I53437465	8	
9	VALVES / IN-LINE ITEMS BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44BV05 <BLFA300R353> (L-143)	3	I1652388	1	
10	SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	428	1	
11	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	428	1	
12	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	434	1	

CUT 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>	2152	3"	S94	S	3"	BW				
<2>	749 849	3"	F95	F	3/4"	OL				
<3>	2893	3"	S97	S	3"	BW				
			S98	F	3"	BW				
			S99	S	3"	BW				
			S100	S	3"	BW				
			S101	S	3"	BW				

WELD LIST

BOLT LIST

BOLT NO	FLANGE SIZE (IN)	SIZE (IN)	LENGTH (MM)
BJ08	3"	3/4"	110

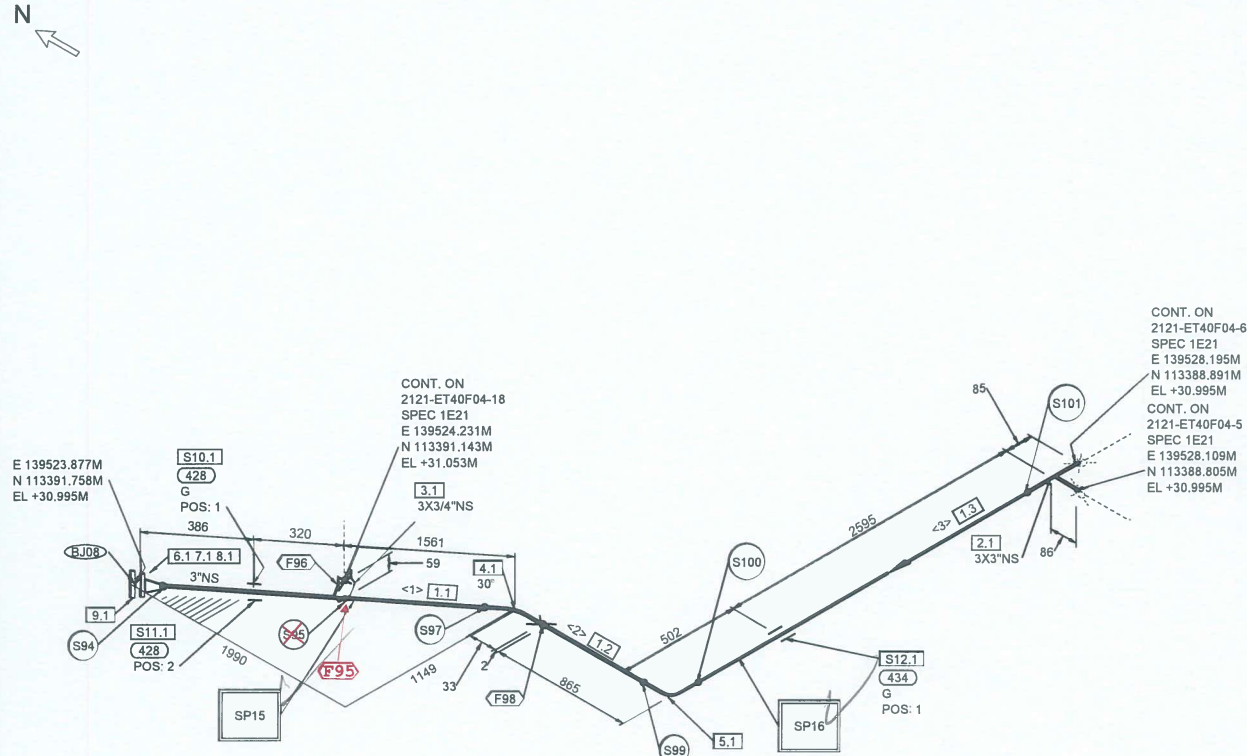
INCH METER

PIPE NS (IN)	CL LENGTH (M)
3	88

ISOMETRIC NO. 4274-SP-XH-DL-2121-ET40F04-7-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1



JOAQUIM PINTO
PIPING SUR TEM
Joaquim Pinto 04/01/2023



AUTHORISED FOR CONSTRUCTION

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

LEGENDS

JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT
SW	B	SW	B	LET	LET	SOB	B
FW	B	SOB	B	LF	LF	SOB	B
LA	RF	BLW	B	MTW	M	THD	TH



Prep:	TG	PROC. NR:	PCL 22635
Status:	IFC	Date:	22-08-2023
Signature:			

Before Welding: 1/11/2023
After Welding: 2/11/2023
* Assinilate deviation in the drawings ("+" or "-").
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol ON)

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

1 DENOTES PARTS LIST NO
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