

 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	Date :
Unit -			
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
 PIPING. SUP. TECH

ISO Summary List

22635 / 1353

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-ET40F04-5**

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-PMI/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
03	10	S50	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 ✓	5-Vareta PVX1312824	MW.20_BW	01/11/2023 S138	VT-I-061 ✓							
04	10	S54	BW 3" PIPE - A106-B BE SMLS ✓ 3x3" WN FLANGE ASME B16.5 300# A105N RF ✓	17 38	23211709 ✓ 70HC22 ✓	23310546 ✓ 225129 ✓	5-Vareta PVX1312824	MW.20_BW	01/11/2023 S138	VT-I-061 ✓							
05	09	S47	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 ✓	5-Vareta PVX1312824	MW.20_BW	01/11/2023 S138	VT-I-061 ✓							
06	09	S46	BW 3" PIPE - A106-B BE SMLS ✓ 3" STRAIGHT TEE ASME B16.9 A234-WPB BE ✓	17 213	23211709 ✓ 782363 ✓	23310546 ✓ CE23007078_3.1_01 ✓	5-Vareta PVX1312824	MW.20_BW	01/11/2023 S138	VT-I-061 ✓							
07	09	S45	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 ✓	5-Vareta PVX1312824	MW.20_BW	01/11/2023 S138	VT-I-061 ✓							
11	10	S51	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 ✓	5-Vareta PVX1312824	MW.20_BW	01/11/2023 S138	VT-I-061 ✓							

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 Texeira*

Date: *04/01/2024*

Sign: *Patricia Texeira*
APPROVED by Client

Name: **TECNIMONT**

Date: *04/01/2024*

Sign: *L. Gomes*
APPROVED by 3rd party or AI

Name: *João Taveira*


Date: *09/01/2024*

Sign: *[Signature]*

LINE 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. FOR THE COMPONENT JOINED AS FIELD WELDED OR WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4046-SH-SG-0000000004. FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE WARNED. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-SH-L-10-0000-00001



						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 / 0	E	N	1	19-A-19-000-1-01-00001 sheet 36

 Technimont		PIPING ISOMETRIC		IDENTIFICATION CODE									
				Job	ET	Area	N						
		4274	XHDL	2121	ET40F04								
		PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMERS		UNIT	19	SHEET	5	REV	00		
REFERENCES	PIPING ASSEMBLY DRAWING		E	C	T	N	PIPING STANDARD SUPPORT SUMMARY			E	C	T	N
	19-L-19-000-2-00-86197 sheet 8		XH-SG-000000002							XH-LP-000000001			
	PIPING ISOMETRIC LIST		E	C	T	N	WELDING SPECIFICATION			E	C	T	N
	XH-L-D-21210001		XH-SL-000000002							XH-SW-000000001			

BILL OF MATERIALS										
FABRICATION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	15.6 M						
2	FITTINGS STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD <TEBA200F3151515> (L-6955)	3X3	I129163	1						
3	REDUCING SOCKET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQ <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 <WNFA300R353STD> (L-236)	3	I4217853	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/A194-2H INCH SIZE I01OB0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 110 mm Length VALVES /IN-LINE ITEMS	3/4	I53437465	8						
9	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQ 125 - 250 AARH F10CF044B005 <BLFA300R353> (L-143)	3	I1652388	1						
10	SUPPORTS WELDED BRACKET TO STRUCT. SB01 L80X80X10	3	432	1						
11	U BOLT (FOR GUIDE)-P02D	3	432	1						
12	U BOLT (FOR GUIDE)-P02D	3	433	1						
13	STAKES SUPPORTS ST02 HEA140	3	433	1						
14	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	429	1						
15	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	429	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>	6177	3"	F44	F	3"	BW	BJ05	3"	3/4"	110
<2>	526	3"	S45	S	3"	BW				
<3>	7045 7446	3"	S46	S	3"	BW				
<4>	1511	3"	S47	S	3"	BW				
			F48	F	3"	BW				
			F49	F	3"	BW				
			S50	S	3"	BW				
			S51	S	3"	BW				
			S52	S	3/4"	OL				
			F53	F	3/4"	SW				
			S54	S	3"	BW				
INCH METER										
PIPE NS (IN)							CL LENGTH (M)			
3							17.8			
ISOMETRIC NO. 4274-SP-XH-DL-2121-ET40F04-5-IS00										
SPOOLING REV NO. 00										

AUTHORISED FOR CONSTRUCTION

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

LEGEND		JOINT TYPE		JOINT TYPE		JOINT TYPE		JOINT TYPE	
JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE
BW	G	BW	G	LET	LET	BOB	G	BOF	G
PW	G	BLW	G	LP	LP	BOF	G	THD	TH
LA	RF	BLW	G	MTW	M				

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

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

M MECWIDE (Approved Manufacturer)
 Dimensional: Before Welding 31/10/2023
 After Welding 1/11/2023
 Status: IPC Date: 22-08-2023 Rev: 00
 Signature: *[Signature]*
 * Assinilate deviation in the drawings ("n" or "n")
 Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

JOAQUIM PINTO
 PIPING SOP. TEM
 Joaquim Pinto 04/01/2024

