

 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-310-000135_RFI2320_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000135_RFI2320 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

1121-JWS64027-1-SP06;1121-JWS64027-1-SP05;1121-JWS64027-1-SP02;1211-FW68E28-3-SP05;1211-FW68E28-3-SP04;1211-FW68E28-3-SP03;1121-N67079-1-SP03;1121-N67079-1-SP02;1121-N67079-1-SP01;1211-FL40F01-3-SP05;1211-FL40F01-3-SP04;1211-FL40F01-2-SP03;1211-FL40F01-2-SP02-ZZ;1211-FL40F01-1-SP01;1121-JWS64049-3-SP03;1122-CHWS14014-1-SP05;1122-CHWS14014-1-SP04;1122-CHWS14014-1-SP03-ZZ;1121-HN67011-1-SP07;1121-HN67011-1-SP06;1211-FL40F01-3-SP06;1211-FW68B40-2-SP09;1211-FW68B40-2-SP08;1211-FW68B40-2-SP07;1211-FW68B40-2-SP06;1122-CHWS14014-2-SP02;1122-CHWS14014-2-SP01;1211-VA88002-1-SP01;1211-CWR89009-1-SP03;1211-CWR89009-1-SP02;1211-CWR89009-1-SP01;1211-WW70B01-1-SP08;1211-FW68B40-2-SP10;1211-VA88002-1-SP05;1211-VA88002-1-SP04;1211-VA88002-1-SP03;1211-VA88002-1-SP02

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"

 **TECNIMONT**

Pinto Joaquim
 Mechanical Piping SpV.

Joaquim Pinto
 17/05/2024

JOSEPH ANDRIAN
 23/05/2024
 On behalf of TCM

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	15/05/2024	Patricia Texeira	Patricia Texeira		
CONTRACTOR					
COMPANY					
(Free)					



ISO Summary List

22635 / 1975
Page 1

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

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

% RT/UT
% PT/MT

ISO # **2121-FL40F01-1**
Piping Size/Class **3-B32S1**

Revision **00**
PED Category **I**

Priority **2**
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 01	S01	BW	2x2" WN FLANGE ASME B16.5 150# A350-LF2 ✓ 3x2" ECCENTRIC REDUCER ASME B16.9 A420- ✓	TCM	22904159 ✓ 155 51822K ✓	BLD-25-0525-019 0012023-36	21:Vareta F PVX4712033	MW.23_BW	19/02/2024 S71	VT-M-039 ✓							
04 01	S02	BW	3x2" ECCENTRIC REDUCER ASME B16.9 A420- ✓ 3" PIPE - A333-6 BE SMLS ✓	155 453	51822K ✓ 23103238 ✓	0012023-36 23602074	21:Vareta F PVX4712033	MW.23_BW	19/02/2024 S71	VT-M-039 ✓							
05 01	S03	OL	3" PIPE - A333-6 BE SMLS ✓ 3x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓	453 425	23103238 ✓ 2170048 ✓	23602074 CE/2022/1596	21:Vareta F PVX4712033	MW.23_SBR	19/02/2024 S71	VT-M-039 ✓	MT: MT-I-072-A ✓						
06 01	S06	BW	3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	453 587	23103238 ✓ 720406 ✓	23602074 CE23004182_3.1_01	21:Vareta F PVX4712033	MW.23_BW	19/02/2024 S71	VT-M-039 ✓							
07 01	S07	BW	3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓ 3" PIPE - A333-6 BE SMLS ✓	587 453	720406 ✓ 23103238 ✓	CE23004182_3.1_01 23602074	21:Vareta F PVX4712033	MW.23_BW	19/02/2024 S71	VT-M-039 ✓							
08 01	S08	BW	3" PIPE - A333-6 BE SMLS ✓ 3x3" WN FLANGE ASME B16.5 150# A350-LF2 ✓	453 TCM	23103238 ✓ 22904159 ✓	23602074 BLD-25-0525-019	21:Vareta F PVX4712033	MW.23_BW	19/02/2024 S71	VT-M-039 ✓							
09 02	S09	BW	3x3" WN FLANGE ASME B16.5 150# A350-LF2 ✓ 3" PIPE - A333-6 BE SMLS ✓	TCM 453	22904159 ✓ 23103238 ✓	BLD-25-0525-019 23602074	21:Vareta F PVX4712033	MW.23_BW	19/02/2024 S71	VT-M-039 ✓							

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

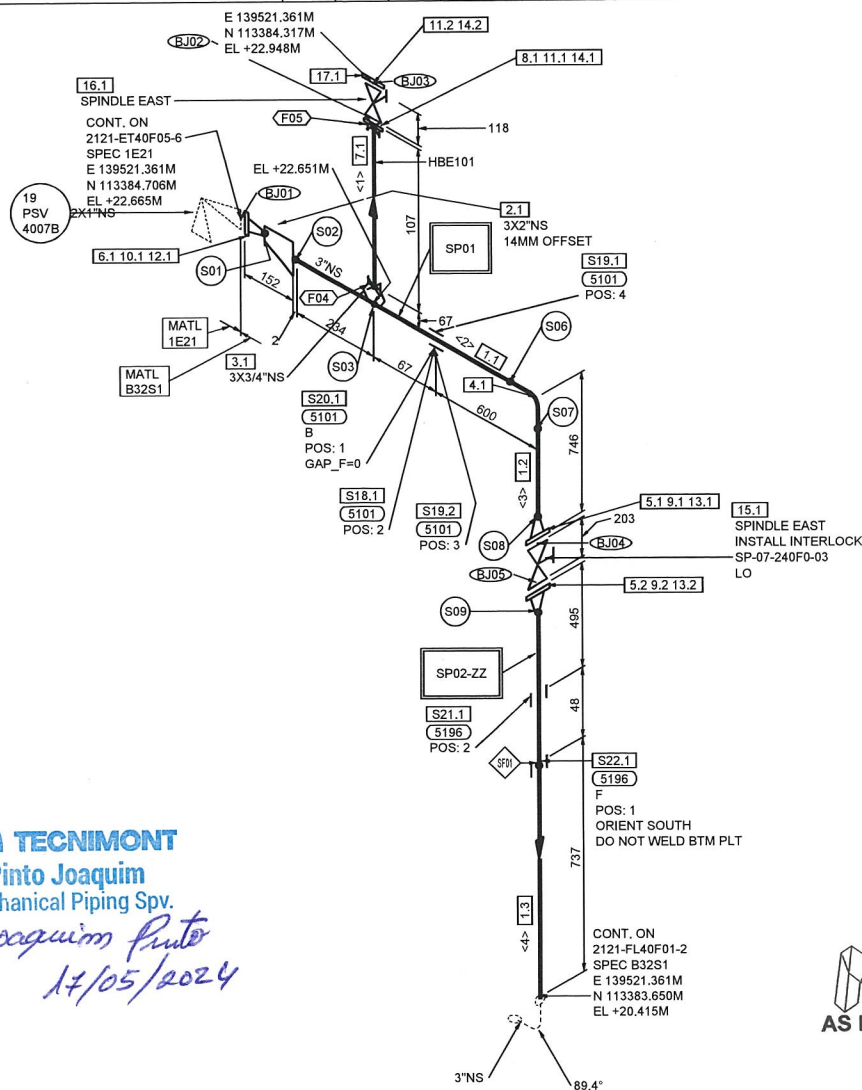
Name: *Rafael Teixeira*
Date: *15/05/2024*
Sign: *Rafael Teixeira*

APPROVED by Client

Name: *ZOGHEANU ADRIAN*
Date: *23/05/2024*
Sign: *[Signature]*

APPROVED by 3rd party or AI

Name:
Date:
Sign:



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.


Yoaquim Pinto
17/05/202



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
SW	G	SW	S	LET	LET	BOB	S
PW	S	SB	S	LP	RF	BOF	S

 MEC WIDE ENGINEERING CHALLENGES	Prep.: _____	TG _____	PROC. NR: _____	PCL 22635
	Status: IFC	Date: 11-09-2023	Rev: _____	
Dimensional:	Signature: _____			
Before Welding	_____			
After Welding	_____			

* Assinilate deviation in the drawings ("+" or "-").

Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

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

FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199).	3	I146278	2.6 M	
2	FITTINGS ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD 3X2 S-STD <REL210F35151415> (L-6239).	3X3/4	I213207	1	
3	REDUCING SOCKLET MSS-SP-87 3000# A350-LF2 Class 1 BE SWE - 1R3DNCG07V01 NREGO <SOKL300LB01511> (L-7969).	3	I368227	1	
4	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <SOLL210F33STD> (L-7966).	3	I213645	1	
5	FLANGES VN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFBE BE 125 - 250 AAR F01CCD07BV05 S-STD <WNFL300R153STD> (L-7971).	3	I140827	2	
6	VN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFBE BE 125 - 250 AAR F01CCD07BV05 S-STD <WNFL300R152STD> (L-7971).	2	I140779	1	

ERECTION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<u>PIPE</u>				
7	PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A13/4XS> (L-PIP01).	3/4	I146384	0.1 M	
	<u>FLANGES</u>				
8	SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F02CD0C07B105 S-XS <SWFL300R153/4XS> (L-7970).	3/4	I820457	1	
	<u>GASKETS</u>				
9	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2Q501 <NIMGQ102R1F3> (L-NMG17)	3	I1169079	2	
10	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GDP1IAG8 <N/A> (N/A)	2	I46364680	1	
11	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2Q501 <NIMGQ102R1F3/4> (L-NMG17)	3/4	I1655198	2	
	<u>BOLTS</u>				
12	STUD BOLTS&NUTS ASME B18.21/2 B18.2-2 A320-L/7A194-7 INCH SIZE I01OB5301 <SB2R95G/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	I55705037	4	
	STUD BOLTS&NUTS ASME B18.21/2 B18.2-2 A320-L/7A194-7 INCH SIZE I01OB5301 <SB2R95G/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I55705059		
	STUD BOLTS&NUTS ASME B18.21/2 B18.2-2 A320-L/7A194-7 INCH SIZE I01OB5301 <SB2R95G/1221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	I55704809	8	
	<u>VALVES / IN LINE ITEMS</u>				
15	GATE VALVE API 600 150# A352-LCC RFFE 10-316 API 600 L7/7 125 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FDC82B12R NREQD <G43L-8353> (L-8353).	3	I63584469	1	
16	GATE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L7/7 125 - 250 AARH BB-OS&Y SQW API 602 HW ASOW API 602 HW ASME B16.5 V01GDC07BHX1 NREQD <G43_4L-A1011> (L-A1011).	3/4	I63584653	1	
17	BLIND FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE NREQD 125 - 250 AARH F10CD0C07B005 <BLF1300R153/4> (L-7972).	3/4	I560221	1	
	<u>SUPPORTS</u>				
18	VERTICAL TRESTLES TR06 HEA140	3	5101	1	
19	ADDED PLATES_P73_IPE 100	3	5101	2	
20	WELDED ANCHOR -C1B1 H = 100 L = 140	3	5101	1	
21	WELDED BRACKET TO STRUCT. SB35 - HEA100	3	5196	1	
22	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	3	5196	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>	100	3/4"	S01	S	2"	BW	BJ01	2"	5/8"	80
<2>	785	3"	S02	S	3"	BW	BJ02	3/4"	1/2"	65
<3>	558	3"	S03	S	3/4"	CL	BJ03	3/4"	1/2"	65
<4>	1209	3"	F04	F	3/4"	SW	BJ04	3"	5/8"	90
			F05	F	3/4"	SW	BJ05	3"	5/8"	90
			S06	S	3"	BW				
			S07	S	3"	BW				
			S08	S	3"	BW				
			S09	S	3"	BW				
			SF01	F	3"	FT				
INCH METER										
PIPE NS (IN)								CL LENGTH (M)		
3								4.1		
2								0.2		
0.75								0.2		

ISOMETRIC NO. 4274-SP-XH-DL-2121-FL40F01-1-IS00

SPOOLING REV NO. 00