


 TECNIMONT Tecnimont S.p.A.	 REPSOL REPSOL POLIMEROS SA	4274_CONST	
		4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP Rev.1		Report n° IP-WSR-P-310-000006_MOD-ITP-XL_220 RFI Nr.: 257	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000006 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:




1111-CHWR43011-1-SP01;1111-CHWS61029-1-SP01;1111-LS63002-2-SP05;1111-N67050-1-SP01;1111-N72006-1-SP01;1111-N72006-1-SP02;1121-CHWR21007-1-SP01;1121-CHWR21007-1-SP02;1121-CHWS61024-1-SP01;1121-CHWS61024-1-SP02;1121-IW64025-1-SP01;1121-JWR23001-2-SP01;1121-JWR23001-2-SP02;1121-JWR23001-2-SP03;1121-JWR23003-1-SP01;1121-JWR23003-1-SP02;1121-JWR23003-1-SP03;1121-JWR23003-1-SP04;1121-JWR23003-1-SP05;1121-JWR23003-1-SP06;1121-JWR35001-1-SP03;1121-JWR35001-1-SP04;1121-JWR35001-2-SP01;1121-JWR35001-2-SP02;1121-JWR35001-2-SP03;1121-JWR64001-2-SP03;1121-JWR64001-2-SP04;1121-JWR64001-2-SP05;1121-JWR64001-2-SP06;1121-JWR64001-2-SP07;1121-JWS64026-1-SP09;1121-JWS64026-1-SP10;1121-JWS64026-1-SP11;1121-JWS64026-1-SP12;1121-JWS64026-2-SP06;1121-JWS64026-2-SP07;1121-JWS64026-2-SP08;1121-JWS64048-1-SP01;1121-JWS64048-1-SP02;1121-JWS64048-1-SP03;1121-JWS64048-1-SP04;1121-JWS64048-2-SP04;1121-JWS64048-2-SP05;1121-JWS64048-2-SP06;1121-LS63045-2-SP01;1121-LS63045-2-SP02;1121-LS63045-2-SP03;1121-LS63045-2-SP04;1121-LS63067-3-SP01;1121-LS63067-3-SP02;1121-LS63067-3-SP03;1121-LS63067-3-SP04;1121-LS63073-3-SP02;1121-LS63073-3-SP03;1121-LS63073-4-SP01;1121-LS63203-1-SP17;1121-LS63203-1-SP18;1121-N67052-1-SP01;1121-N67052-1-SP02;1121-N67052-1-SP03;1121-N67061-11-SP07;1121-N67061-11-SP08;1121-N67061-1-SP14;1121-N67061-1-SP15;1121-N67061-2-SP16;1121-N67079-2-SP06;1121-N67079-3-SP07;1121-N67079-4-SP04;1121-N67079-4-SP05;1121-PJW32002-1-SP01;1121-PJW32002-1-SP02;1121-PR34020-1-SP01;1121-VZ34004-1-SP01;1121-WW20002-1-SP01;1121-WW20002-1-SP02;2121-CWR40B05-1-SP01;2121-CWR40B05-1-SP02;2121-PA91P08-2-SP03;2121-PA91P08-2-SP04;2121-VA40N01-1-SP01;2121-VA49A01-1-SP01;7111-CWR91K08-1-SP01;7111-LC91A08-1-SP01

Spool No.	Ready for destination to: P: Painting (1) W: Wrapping F: Field	NDE Class	Check List					
			Visual Inspect	Traceability OK (2)	Pending NDE / PMI (Yes/No/NA)	PWHT / HARDNESS (Yes/No/NA)	Inside Cleaning (3) (Yes/No/NA)	Spool Identified (Yes/No/NA)


 JOAQUIM PINTO
 PIPING SUP.
 Joaquim Pinto

LEGEND OF CHECK RESULT ☒ Checked & NOT Accepted ☒ Checked & Accepted N.A. Not Applicable Y / N Punch List Produced

	Date (DD-MMM-YYYY)	Name	Signature
SUBCONTRACTOR	06/10/2023	Patricia Teixeira	Patricia Teixeira
CONTRACTOR	06/10/2023	Luis Gomes	Luis Gomes
COMPANY			
(Free)			

	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
Tecnimont S.p.A.			
MOD-ITP-XL_220 Rev.1	RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000006_MOD-ITP-XL_220	
		RFI Nr.: 257	Date :
Unit -			
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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"


JOAQUIM PINTO
PIPING SUP.
Joaquim Pinto

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	06/10/2023	Patricia Teixeira	Patricia Teixeira	
CONTRACTOR	06/10/2023	Luís Gomes	Luís Gomes	
COMPANY				
(Free)				

ISO Summary List

22635 / 1220

Page 1

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

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

% RT/UT
% PT/MT

ISO # **2121-CWR40B05-1**
Piping Size/Class **3-B-1**

Revision **00**
PED Category **Art 4.3**

Priority **6**
Assessment Inspection/Results

Spot	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	Repair 1	Repair 2
01 02	S07	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 Varela PVX1312824	MW.20_BW	22/08/2023 S71	VT-I-008							
02 02	S06	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 Varela PVX1312824	MW.20_BW	22/08/2023 S71	VT-I-008		RT: RT-I-076					
05 02	S05	BW	3x3" WN FLANGE ASME B16.5 150# A105N RF 3" PIPE - A106-B BE SMLS	37 17	70HC22 23211709	224997 23310546	5 Varela PVX1312824	MW.20_BW	22/08/2023 S71	VT-I-008							
06 01	S04	BW	3" PIPE - A106-B BE SMLS 3x3" WN FLANGE ASME B16.5 150# A105N RF	17 37	23211709 70HC22	23310546 224997	5 Varela PVX1312824	MW.20_BW	22/08/2023 S71	VT-I-008							
07 01	S03	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S 3" PIPE - A106-B BE SMLS	228 17	1215148 23211709	CE23002054_3.1_01 23310546	5 Varela PVX1312824	MW.20_BW	22/08/2023 S71	VT-I-008							
08 01	S02	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 Varela PVX1312824	MW.20_BW	22/08/2023 S71	VT-I-008							
09 01	S01	BW	3x3" WN FLANGE ASME B16.5 150# A105N RF 3" PIPE - A106-B BE SMLS	37 17	70HC22 23211709	224997 23310546	5 Varela PVX1312824	MW.20_BW	22/08/2023 S71	VT-I-008							
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: <i>[Signature]</i> Date: <i>26/08/2023</i> Sign: <i>[Signature]</i>			APPROVED by Client Name: <i>Luis Garcia</i> Date: <i>06/10/2023</i> Sign: <i>[Signature]</i> <i>NWJ-ecan</i>			APPROVED by 3rd party or AI Name: Date: Sign:	

LINES 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 MARKED AS FIELD WELDED, ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-0000000004. FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001



REV		DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
00		10-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	B-1	P / 50	E	N	1	19-A-19-000-1-01-00001 sheet 30

FLUID CODE: CWR		LINE NO. 3"-CWR-40B05-B-1 (P)	
PIPING MATERIAL CLASS		INSULATION	WELD CLASS
B-1		P / 50	E

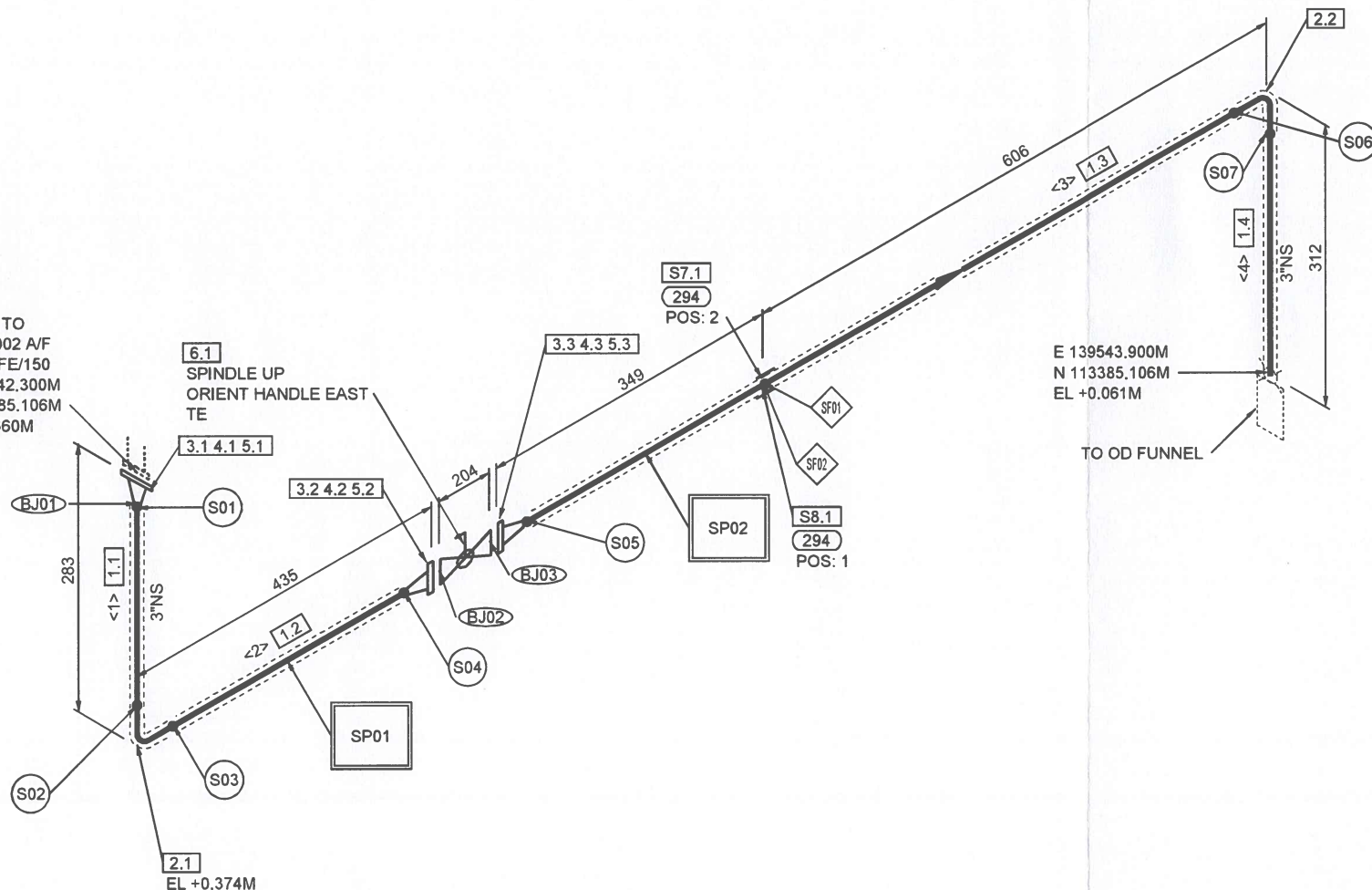


PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS	
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION	
19-L-19-000-2-00-86198 sheet 1		XH-SG-000000002	
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS	
XH-LD-21210001		XH-SL-000000002	

Job		Area	
4274		CWR40B05	
UNIT		SHEET	
19		1	
REV		00	






CONN. TO
19-E-4002 A/F
3/in/RFFE/150
E 139542.300M
N 113385.106M
EL +0.660M



E 139543.900M
N 113385.106M
EL +0.061M

TO OD FUNNEL

TECNIMONT
JOAQUIM PINTO
PIPING SUP
Joaoquim Pinto
AS BUILT

 MECOWIDE <small>de engenharia de soldagem</small>	Prep.: TG	PROC. NR:	PCL 22635
	Status: IFC	Date: 10-08-2023	Rev: 0
Dimensional:	Signature:		
Before Welding			
After Welding			
* Assinalate deviation in the drawings ("+" or "-" n")			
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)			

AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT
BW	G	SW	S	LET	LET	SOB	B
FW	S	SIB	B	LF	RF	SOF	S
LA	RF	SLW	S	MTW	M	THD	TH

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

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	1.4 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	2	
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R153STD> (L-149)	3	I4217820	3	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	GASKETS FLAT RING GASKET ASME B16.2 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ00R1FC3> (L-NMG11)	3	I1169032	3	
5	BOLTS STUD BOLTS&NUTS ASME B18.3 1/2 B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	12	
6	VALVES / IN-LINE ITEMS BALL V-FLT-SS-RB BS EN ISO 17292 150# A216-WCB RFFE 304/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-RED BORE FLOATING BALL LE ASME B16.5 V1RFD029B1V NREQD <B43L-AL107> (L-AL107)	3	I2498375	1	
7	SUPPORTS STAKES SUPPORTS ST09 L80X80X10	3	294	1	
8	RESTING SHOE WELDED -C1A1 H = 100 L = 200	3	294	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>	95	3"	S01	S	3"	BW	BJ01	3"	5/8"	90
<2>	247	3"	S02	S	3"	BW	BJ02	3"	5/8"	90
<3>	767	3"	S03	S	3"	BW	BJ03	3"	5/8"	90
<4>	196	3"	S04	S	3"	BW				
			S05	S	3"	BW				
			SF01	F	3"	FT				
			SF02	F	3"	FT				
			S06	S	3"	BW				
			S07	S	3"	BW				

WELD LIST

BOLT LIST

INCH METER

PIPE NS (IN)

CL LENGTH (M)

3

2.2

ISOMETRIC NO. 4274-SP-XH-DL-2121-CWR40B05-1-IS00

SPOOLING REV NO. 00