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-310-000111_RFI2082_MOD-ITP-XL_220**	
		RFI Nr.:	Date :

Unit	-
Plant Area	-
Isometric Number	
Inspection Package Number	**IP-WSR-P-310-000111_RFI2082 - IP Spool Release From Workshop**

The Present Inspection Package contains the following Elements:

1211-FW68B40-1-SP05;1211-FW68B40-1-SP04;1211-FW68B40-1-SP03;1211-FW68B40-1-SP02;1211-FW68B40-1-SP01;2211-VA62D03-1-SP03;2211-VA62D03-1-SP02;2211-VA62D03-1-SP01;1121-JWS64025-3-SP04;1121-JWS64025-3-SP03;1211-FW68B15-3-SP10;1211-FW68B15-3-SP09;1211-FW68B15-3-SP08;1211-FW68B15-2-SP07;1211-FW68B15-2-SP06;1211-FW68B15-2-SP05;2211-CWS91J45-1-SP02;2211-CWS91J45-1-SP01;2211-CWR70A01-1-SP02;2211-CWR70A01-1-SP01;1211-FW68J01-3-SP06;1211-FW68J01-3-SP05;1211-FW68B52-2-SP03;1211-FW68B52-2-SP02;1211-CWR89022-1-SP04;1211-CWR89022-1-SP03;2121-VA40B01-3-SP06;2121-VA40B01-3-SP05;2121-VA40B01-3-SP04;1211-FW68B48-1-SP02;1211-FW68B48-1-SP01;1121-PJW40001-1-SP02;1121-PJW40001-1-SP01;1121-JWS64052-2-SP05;1121-JWS64052-2-SP04;1121-JWS64052-2-SP03-ZZ;1121-JWS64052-1-SP02;1121-JWS64052-1-SP01;1121-JWS23003-1-SP02;1121-CHWS61029-2-SP02;1121-CHWS61029-2-SP01;1121-CHWS61029-1-SP06;1121-CHWS61029-1-SP05;1121-CHWS61029-1-SP03-ZZ;1121-CHWS61029-1-SP04;1121-CHWS61025-2-SP06;1121-CHWS61025-2-SP05;1121-CHWS61025-2-SP04;1121-CHWS61025-1-SP03;1121-CHWS61025-1-SP02;1121-CHWS61025-1-SP01;1121-CHWS21005-1-SP04;1121-CHWS21005-1-SP03;1121-CHWR43011-2-SP05;1121-CHWR43011-2-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*"

TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto 26/04/2024

TECNIMONT
L.Gomes
NWI
R ☑
W ☐
26/04/24

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	26/04/2024	Patricia Teixeira	Patricia Teixeira
CONTRACTOR			
COMPANY			
(Free)			

QC

MECWIDE ENGINEERING CHALLENGES

GRUPOAMPER Nervión Industrial

Tecnimont

REPSOL

ISO Summary List

Client **TECNIMONT/REPSOL** Job # **22635** % RT/UT

Local **Portugal** Project **4274 ALBA-I007 Piping Fabrication** % PT/MT

ISO # **2121-VA40B01-3** Revision **00** Priority **2**

Piping Size/Class **8-B4S2** PED Category **I** ***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
02	04	S22	BW	8x8" WN FLANGE ASME B16.5 150# A105N RF	37	01EE23	224997	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030							
				8" PIPE - A106-B BE SMLS	21	23302455	23310550	5:Vareta - PVX1312824		S138								
03	04	S23	BW	8" PIPE - A106-B BE SMLS	21	23302455	23310550	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030							
				8" 90 LR ELBOW ASME B16.9 A234-WPB BE S	342	49301	CE23002000_3.1_01	5:Vareta - PVX1312824		S138								
04	04	S24	BW	8" 90 LR ELBOW ASME B16.9 A234-WPB BE S	342	49301	CE23002000_3.1_01	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030							
				8" PIPE - A106-B BE SMLS	21	23302455	23310550	5:Vareta - PVX1312824		S138								
05	04	S25	BW	8" PIPE - A106-B BE SMLS	21	23302455	23310550	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030							
				8x8" WN FLANGE ASME B16.5 150# A105N RF	37	01EE23	224997	5:Vareta - PVX1312824		S138								
06	05	S26	BW	8x8" WN FLANGE ASME B16.5 150# A105N RF	37	01EE23	224997	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030							
				8" PIPE - A106-B BE SMLS	21	23302455	23310550	5:Vareta - PVX1312824		S138								
07	05	S27	BW	8" PIPE - A106-B BE SMLS	21	23302455	23310550	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030							
				8" 45 LR ELBOW ASME B16.9 A234-WPB BE S	110	922157	CE23005081_3.1_01	5:Vareta - PVX1312824		S138								
08	06	S29	BW	8" PIPE - A106-B BE SMLS	21	23302455	23310550	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030		RT: RT-I-0130					
				8" 90 LR ELBOW ASME B16.9 A234-WPB BE S	342	49301	CE23002000_3.1_01	5:Vareta - PVX1312824		S138								
09	06	S30	BW	8" 90 LR ELBOW ASME B16.9 A234-WPB BE S	342	49301	CE23002000_3.1_01	4:Eletrodo - SBX0910262	MW.21_BW	20/09/2023	VT-I-030							
				8x8" WN FLANGE ASME B16.5 150# A105N RF	37	01EE23	224997	5:Vareta - PVX1312824		S138								

Notes	Remarks	APPROVED QC	APPROVED by Client	APPROVED by 3rd party or AI
BW-Butt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld		Name: Patrícia Teixeira	Name: TECNIMONT L.Gomes NWI R W	Name:
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test		Date: 26/04/2024	Date:	Date:
UT-Ultrasonic Test; PMI-Positive Material Identification		Sign: Patrícia Teixeira QC	Sign:	Sign:
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test				

Tecnimont	Punch List **PUNCH LIST**	IDENTIFICATION CODE SHEET 1 / 1 | DOC.CLASS 1 | ISSUE 01
MECWIDE ENGINEERING CHALLENGES grupo antolin Nervión Industrial	**ISO ID: 2121 - VA40B01-3**	

No.	Field	Descripton	Date	Completed
		NO COMMENTS		

TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
26/04/2024

NOTES AND REMARKS

TECNIMONT
L.Gomes
NWI
R
26/04/2024

	DATE (dd-Mmm-YYYY)	NAME	SIGNATURE
SUBCONTRACTOR			
CONTRACTOR			
COMPANY			
(Free)			

0

EC-1372

REPSOL

REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D
00	22-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM

LINE DATA

FLUID CODE: VA | LINE NO. 8"-VA-40B01-B4S2

PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
B4S2	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 30

Tecnimont | PIPING ISOMETRIC

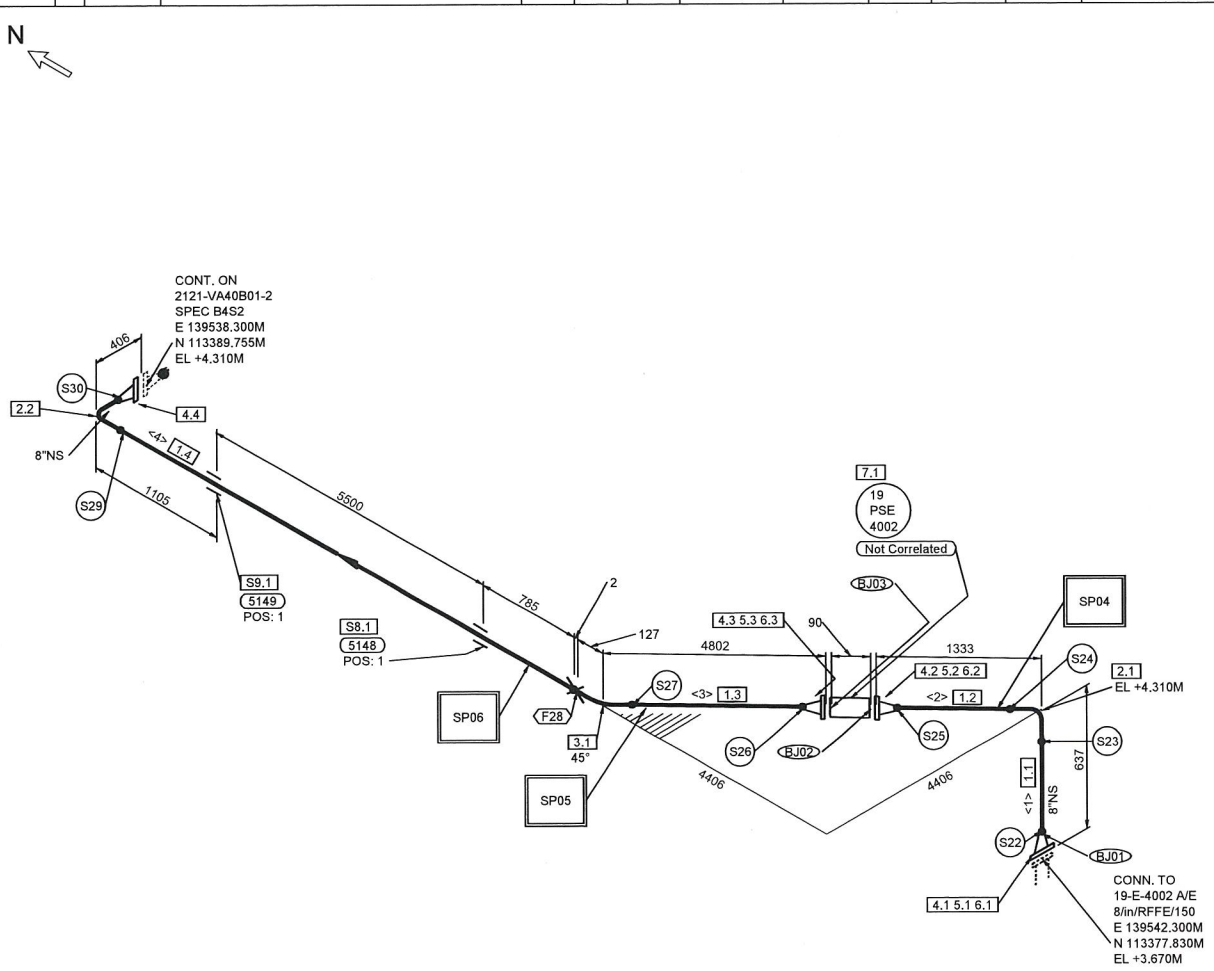
IDENTIFICATION CODE

Job	E C T	Area	N
4274	XHDL	2121	VA40B01

PLANT: SINES INDUSTRIAL COMPLEX | CLIENT REF: REPSOL POLYMEROS | UNIT 19 | SHEET 3 | REV 00

REFERENCES

PIPING ASSEMBLY DRAWING: E C T N 19-L-19-000-2-00-86197 sheet 2	PIPING SUPPORT SPECIFICATION: E C T N XH-SG-00000002	PIPING STANDARD SUPPORT SUMMARY: E C T N XH-LP-00000001
PIPING ISOMETRIC LIST: E C T N XH-LD-21210001	PIPING TYPICAL INSTALLATIONS: E C T N XH-SL-00000002	WELDING SPECIFICATION: E C T N XH-SW-00000001



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
26/04/2024

AS BUILT

MECWIDE

	Prep.:	TG	PROC. NR:	PCL 22635
	Status:	IFC	Date:	22-08-2023 Rev: 00

Dimentional: | Signature:
Before Welding: 14/4/23
After Welding: 24/3/23
* Assinalate deviation in the drawings ("+ n" 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

LEGENDS

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	S
FW	S	SB	S	LF	RF	SOF	S
L4	RF	SLW	S	MTW	M	THD	TH

Notes.

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 POLYETHILENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT

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 INLINE COMPONENT MUST BE LEFT | GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-00000000004
X FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED | FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-LL-10-0000-00001

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	PIPE				
1	PIPE - A106-B BE SMLS T01AC03V02 S-20 <PIPA010B1820> (L-8210).	8	I117989	12.8 M	
	FITTINGS				
2	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-20 <90LA200F3820> (L-8268).	8	I128675	2	
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-20 <45LA200F3820> (L-8270).	8	I210289	1	
	FLANGES				
4	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-20 <WNFA300R15820> (L-149).	8	I818485	4	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	GASKETS				
5	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC8> (L-NMG11)	8	I1169036	3	
	BOLTS				
6	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	3/4	I53437465	24	
	INSTRUMENTS				
7	INSTRUMENT COMPONENT 19PSE4002	8		1	
	SUPPORTS				
8	WELDED BRACKET TO STRUCT. SB02 HEA120	8	5148	1	
9	WELDED BRACKET TO STRUCT. SB02 HEA120	8	5149	1	

CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)
<1>	226	8"
<2>	922	8"
<3>	4569	8"
<4>	7083	8"

WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
S22	S	8"	BW
S23	S	8"	BW
S24	S	8"	BW
S25	S	8"	BW
S26	S	8"	BW
S27	S	8"	BW
F28	F	8"	BW
S29	S	8"	BW
S30	S	8"	BW

BOLT LIST

BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
BJ01	8"	3/4"	110
BJ02	8"	3/4"	110
BJ03	8"	3/4"	110

INCH METER

PIPE NS (IN)	CL LENGTH (M)
8	14.8

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40B01-3-IS00 | SPOOLING REV NO. 00