TECNIMONT Tecnimont S.p.A.	REPSOL REPSOL POLIMEROS SA	4274_CONST ALBA PROJECT–PP AND PEL PLANTS	

MOD-ITP-XL_220 Rev.1	RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000419_RFI5518_MOD-ITP-XL_220	
		RFI Nr.:	Date :

Unit	-
Plant Area	-
Isometric Number	
Inspection Package Number	IP-WSR-P-310-000419_RFI5518 - IP Spool Release From Workshop

The Present Inspection Package contains the following Elements:

4211-N91M01-3-SP05;4211-N91M01-3-SP04;4211-N91M01-2-SP08;4211-N91M01-2-SP06;2121-N91M18-1-SP04;2121-N91M18-1-SP03;2121-N91M18-1-SP02;2121-N91M18-1-SP01;1126-N36012-1-SP03;1126-N36012-1-SP02;1126-N36012-1-SP01;2131-N91M22-1-SP04;2131-N91M22-1-SP03;2131-N91M22-1-SP02;1128-N67046-1-SP02;1128-N67046-1-SP01;4111-LPN01001-1-SP02;4111-LPN01001-1-SP01;1113-N67020-2-SP02;1113-N67020-1-SP01;4221-HPN11D01-4-SP01;2131-N91M15-1-SP02;2131-N91M15-1-SP01;1127-N67017-2-SP02;4223-N91M07-1-SP04;4223-N91M07-1-SP03;4223-N91M07-1-SP02;4223-N91M07-1-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)

On behalf of Tecnimont
Dragos Andrei
Mechanical Piping Spv.
25.10.2024

On behalf of Tecnimont
A. Zegheanu
NWI
R ☑
W ☐
25/10/2024

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	25 10 24	[illegible]	QC
CONTRACTOR			
COMPANY			
(Free)			

MECWIDE ENGINEERING CHALLENGES

Grupo amper Nervion 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-N91M18-1** Revision **01** Priority **2B**

Piping Size/Class **3-1C13** PED Category **Art 4.3** ***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
15	01	S02	OL	3" PIPE - A106-B BE SMLS	CERT. TCM	721603	02-22-25884	37:Vareta	MW.20_SBR	03/10/2024	VT-M-0194							
				3x.75" REDUCING SOCKOLET MSS SP-97 3000		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-108-A						
16	01	S04	BW	3" PIPE - A106-B BE SMLS	CERT. TCM	721603	02-22-25884	37:Vareta	MW.20_BW	03/10/2024	VT-M-0194							
				3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	606	17357	CE23004202_3.1_01	PVY1611579		S08								
17	02	S06	OL	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_SBR	03/10/2024	VT-M-0194							
				3x1" REDUCING SOCKOLET MSS SP-97 3000#		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-108-A						
18	02	S08	BW	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_BW	03/10/2024	VT-M-0194							
				3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	606	17357	CE23004202_3.1_01	PVY1611579		S08								
19	03	S10	OL	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_SBR	03/10/2024	VT-M-0194							
				3x.75" REDUCING SOCKOLET MSS SP-97 3000		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-108-A						
20	03	S12	BW	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_BW	03/10/2024	VT-M-0194							
				3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	606	17357	CE23004202_3.1_01	PVY1611579		S08								
21	04	S14	OL	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_SBR	09/10/2024	VT-M-0198							
				3x.75" REDUCING SOCKOLET MSS SP-97 3000		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-111-A						
22	04	S16	OL	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_SBR	09/10/2024	VT-M-0198							
				3x.75" REDUCING SOCKOLET MSS SP-97 3000		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-111-A						
23	04	S18	OL	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_SBR	09/10/2024	VT-M-0198							
				3x.75" REDUCING SOCKOLET MSS SP-97 3000		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-111-A						
24	04	S22	OL	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_SBR	08/10/2024	VT-M-0197							
				3x1" REDUCING SOCKOLET MSS SP-97 3000#		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-110-A						
25	04	S25	BW	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_BW	08/10/2024	VT-M-0197							
				3x.75" ECCENTRIC SWAGE MSS SP-95 - A234	CERT. TCM	H12007465XX	2023-06-283-50	PVY1611579		S08								
26	04	S28	OL	3" PIPE - A106-B BE SMLS	17	23211709	23310546	37:Vareta	MW.20_SBR	08/10/2024	VT-M-0197							
				3x1" REDUCING SOCKOLET MSS SP-97 3000#		D17727	KS24-H0218	PVY1611579		S08		MT: MT-I-110-A						

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	APPROVED by Client	APPROVED by 3rd party or AI
Name: JOAO CALEU	Name: ZEGHEANU	Name:
Date: 25/10/24	Date: 25/10/2024	Date:
Sign:	Sign: On behalf of Tecnimont A. Zegheanu NWI R W	Sign:

QC

TECNIMONT	Punch List	IDENTIFICATION CODE		
		SHEET 1 / 1	DOC.CLASS 1	ISSUE 01
MECWIDE	ISO ID-2121-N91M18-1			

No.	Field		Date	Completed
		NO COMMENTS		

NOTES AND REMARKS

On behalf of Tecnimont
Dragos Andrei
Mechanical Piping Spv.
25.10.2024

On behalf of Tecnimont
A. Zegheanu R
NWI W
25/10/2024

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

FC-6185

REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D
01	19-01-2024	ISSUED FOR CONSTRUCTION	TG	MW	TM
00	25-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM

LINE DATA

FLUID CODE: N — LINE NO. 3"-N-91M18-1C13

PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
1C13	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 110

Tecnimont — PIPING ISOMETRIC

PLANT: SINES INDUSTRIAL COMPLEX — CLIENT REF: REPSOL POLYMEROS

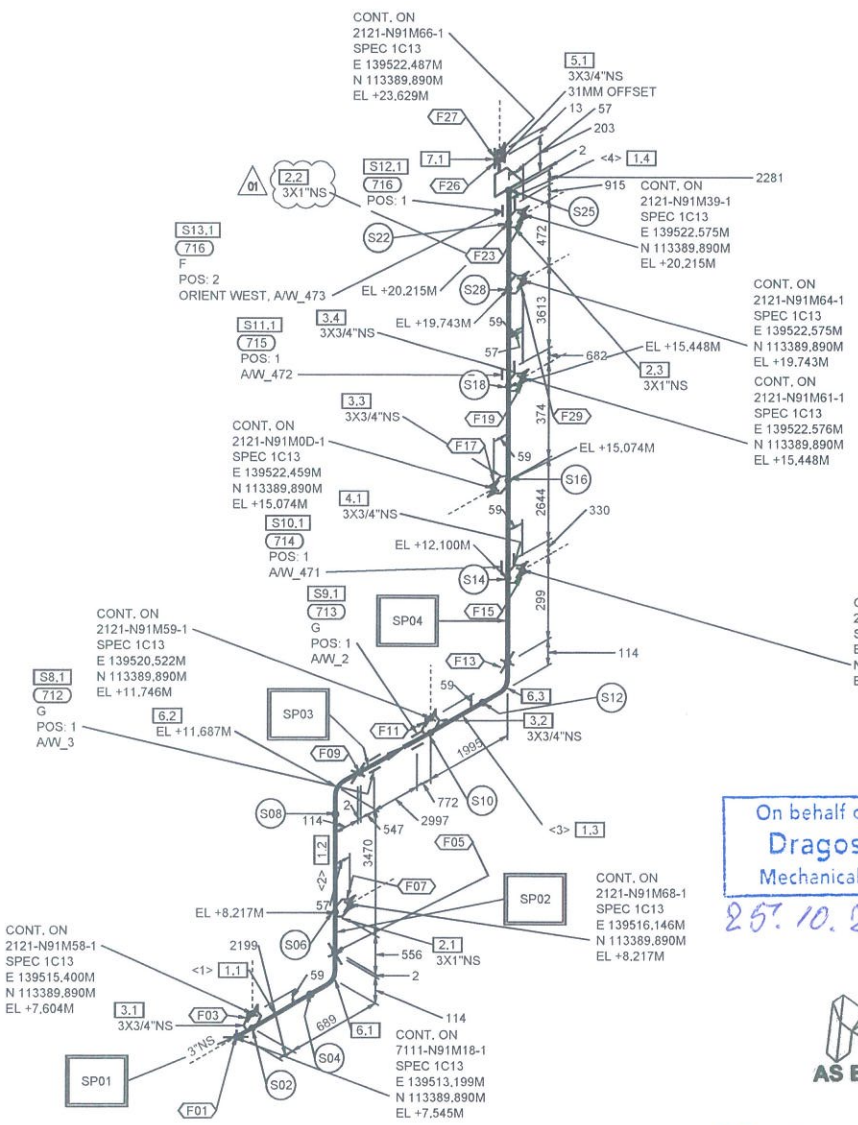
IDENTIFICATION CODE

Job	ETCT	Area	N
4274	XHDL	2121	N91M18
UNIT 19	SHEET 1	REV 01	

REFERENCES

	ECTN		ECTN		ECTN
PIPING ASSEMBLY DRAWING	19-L-19-000-2-00-86197 sheet 4	PIPING SUPPORT SPECIFICATION	XH-SG-00000002	PIPING STANDARD SUPPORT SUMMARY	XH-LP-00000001
PIPING ISOMETRIC LIST	XH-LD-21210001	PIPING TYPICAL INSTALLATIONS	XH-SL-00000002	WELDING SPECIFICATION	XH-SW-00000001

MIR108



On behalf of Tecnimont
Dragos Andrei
Mechanical Piping Spv.
25. 10. 2024

AS BUILT

MECWIDE — Prep.: TG — PROC. NR: PCL 22635 — Status: IFC — Date: 19-01-2024 — Rev.: 01

Dimentional:		Signature:
Before Welding	2/10/24	
After Welding	10/10/24	

* Assinalate deviation in the drawings ("+ n" or "- n").
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)

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	BW	S	LET	LET	SOB	B
FW	S	SB	B	LF	RF	SOF	S
LA	RF	SLW	S	MTW	M	THD	TH

AUTHORISED FOR CONSTRUCTION

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

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

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	PIPE				
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).	3	I117921	24,5 M	
	FITTINGS				
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01512> (L-343).	3X1	I1651352	3	
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343).	3X3/4	I1651368	4	
4	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343)	3X3/4	I1651368	1	
5	ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-STD SCH2-XS R22FQC04VZ15 <ESWA010GR15151116> (L-ESW27).	3X3/4	I920282	1	
6	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).	3	I128599	3	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	FITTINGS				
7	COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD <FCPA300LBK3/4> (L-180).	3/4	I1651676	1	
	SUPPORTS				
8	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	712	1	
9	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	713	1	
10	U BOLT (FOR GUIDE)-P02D	3	714	1	
11	U BOLT (FOR GUIDE)-P02D	3	715	1	
12	U BOLT (FOR GUIDE)-P02D	3	716	1	
13	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	3	716	1	

CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)
<1>	~~2772~~ 2872	3"
<2>	~~3910~~ 4010	3"
<3>	~~6196~~ 6296	3"
<4>	11610	3"

WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
F01	F	3"	BW
S02	S	3/4"	OL
F03	F	3/4"	SW
S04	S	3"	BW
F05	F	3"	BW
S06	S	1"	OL
F07	F	1"	SW
S08	S	3"	BW
F09	F	3"	BW
S10	S	3/4"	OL
F11	F	3/4"	SW
S12	S	3"	BW
F13	F	3"	BW
S14	S	3/4"	OL
F15	F	3/4"	SW
S16	S	3/4"	OL
F17	F	3/4"	SW
S18	S	3/4"	OL
F19	F	3/4"	SW
S28	S	1"	OL
F29	F	1"	SW
S22	S	1"	OL
F23	F	1"	SW
S25	S	3"	BW
F26	F	3/4"	SW
F27	F	3/4"	SW

BOLT LIST

BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)

INCH METER

PIPE NS (IN)	CL LENGTH (M)
3	97,0
0,75	

ISOMETRIC NO. 4274-SP-XH-DL-2121-N91M18-1-IS01 — SPOOLING REV NO. 01

SHEET NO. 1 OF 1

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 A9 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-10-00000-00001