

 Tecnimont S.p.A.	 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-310-000067_RFI1207_MOD-ITP-XL_220 RFI Nr.: 1207 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000067_RFI1207 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2211-VA62B01-1-SP03;2211-VA62B01-1-SP02;2211-VA62B01-1-SP01;2211-N91M34-2-SP03;2211-N91M34-2-SP02;2211-N91M34-2-SP01;2211-N50A15-4-SP09;2211-N50A15-4-SP08;2211-N50A15-4-SP07;2211-IW91N04-6-SP14;2211-IW91N04-6-SP13;2211-CWS91J47-2-SP01;2211-CWS91J47-1-SP03;2211-CWS91J47-1-SP02;2211-CWR80B01-1-SP01;2211-CWR70A03-2-SP03;2121-VG40N11-5-SP08;2121-VG40N11-5-SP07;2121-VG40N11-5-SP06;2121-VA49A04-2-SP12;2121-VA49A04-2-SP11;2121-VA49A04-2-SP10;2121-VA49A04-1-SP09;2121-VA49A04-1-SP08;2121-VA40B03-2-SP04;2121-VA40B03-2-SP03;2121-VA40B03-2-SP02;2121-VA40B03-2-SP01;2121-PA91P08-1-SP06;2121-PA91P08-1-SP05;2121-CWS91J52-1-SP01

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
07/03/2024

 **TECNIMONT**

L.Gomes
NW1

07/03/2024

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	07/03/2024	Patricia Texeira	Patricia Texeira	
CONTRACTOR				
COMPANY				
(Free)				



ISO Summary List

22635 / 1630
Page 1

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

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

% RT/UT
% PT/MT

ISO # **2121-CWS91J52-1**
Piping Size/Class **4-B-1**

Revision **01**
PED Category **Art 4.3**

Priority **6**
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
01	S06	BW	4" PIPE - A106-B BE SMLS ✓ 4x4" WN FLANGE ASME B16.5 150# A105N RF	19	23101887 ✓	23310548	17-Vareta	MW.20_BW	20/12/2023	VT-I-093							
03	S05	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 4" PIPE - A106-B BE SMLS ✓	341	17357 ✓	CE23001997_3.1_01	17-Vareta	MW.20_BW	20/12/2023	VT-I-093							
04	S04	BW	4" PIPE - A106-B BE SMLS ✓ 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	19	23101887 ✓	23310548	17-Vareta	MW.20_BW	20/12/2023	VT-I-093							
05	S03	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 4" PIPE - A106-B BE SMLS ✓	341	17357 ✓	CE23001997_3.1_01	17-Vareta	MW.20_BW	20/12/2023	VT-I-093							
06	S02	BW	4" PIPE - A106-B BE SMLS ✓ 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	19	23101887 ✓	23310548	17-Vareta	MW.20_BW	20/12/2023	VT-I-093							
				341	17357 ✓	CE23001997_3.1_01	PVX4010501		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: <i>Patricia Texeira</i>			Name: TECNIMONT			Name:			
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test								Date: <i>07/02/2024</i>			Date: <i>L. Gomes</i>			Date:			
UT-Ultrasonic Test; PMI-Positive Material Identification								Sign: <i>Patricia Texeira</i>			Sign: <i>[Signature]</i>			Sign:			
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test								QC									



				LINE DATA								
				FLUID CODE: CWS				LINE NO. 4"-CWS-91J52-B-1				
				PIPING MATERIAL CLASS		INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
01	17-11-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM	B-1	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 107
00	01-09-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM						
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D						

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	E I C I T	Area	N
				4274	XHDL	2121	CWS91J52
				UNIT	19	SHEET	1
				REV	01		
REFERENCES		E C T N		E C T N		E C T N	
PIPING ISOMETRIC LIST		19A-19-000-1-00-001 sheet 2		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY	
		XH-LD-21210001		XH-SG-00000002		XH-LP-00000001	
		PIPING TYPICAL INSTALLATIONS		XH-SL-00000002		XH-SW-00000001	

MIR02

BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.

1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806).	4	I117953	1.5 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7959).	4	I128635	2
3	FLANGES WN FLANGE ASME B16.5 150W A105N RFBE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R154STD> (L-149).	4	I5355796	1

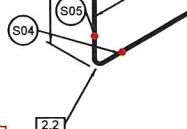
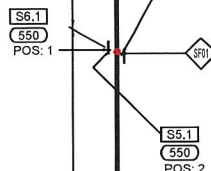
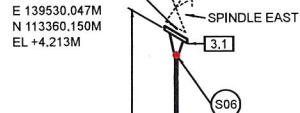
ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.

4	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	4	550	1
5	U BOLT (FOR GUIDE)-P02D	4	550	1
6	WELDED BRACKET TO STRUCT SB31 - HE100A	4	550	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>	499 239	4"	F01	F	4"	BW				
<2>	804	4"	S02	S	4"	BW				
<3>	523	4"	S03	S	4"	BW				
			S04	S	4"	BW				
			S05	S	4"	BW				
			SF01	F	4"	FT				
			S06	S	4"	BW				
INCH METER										
PIPE NS (IN)					CL LENGTH (M)					
4					2.1					
ISOMETRIC NO. 4274-SP-XH-DL-2121-CWS91J52-1-IS01										SPOOLING REV NO. 01



CONT. ON
2121-CWS40B04-1
SPEC B-1
E 139530.047M
N 113360.150M
EL +4.213M



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
07/03/2024

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	S0B	B
FW	S	SB	B	LF	RF	S0F	S
L4	RF	SLW	S	MTW	M	THD	TH

M MECWIDE		Prep.: TG	PROC. NR: PCL 22635
Dimensional:		Status: IFC	Date: 17-11-2023
Before Welding		Signature:	
After Welding		Signature:	
* Assinalate deviation in the drawings ("+" or "-").			
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)			

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