

 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-310-000037_RFI743 MOD-ITP-XL_220	
		RFI Nr.: 743	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000037_RFI743 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

1111-LS63190-1-SP01-ZZ;1111-LS63183-1-SP01;1111-LS63178-1-SP02;1111-LS63178-1-SP01;1111-LS63177-1-SP01;1111-LS63002-3-SP03;1111-LS01001-4-SP06;1111-LS01001-4-SP05;1123-LS63177-1-SP01;2121-MS91A01-6-S P03;2121-MS91A01-6-SP02;2121-MS91A01-6-SP01;2121-MS91A01-2-SP10;1211-HOS89002-1-SP05;1211-HOS89002-1-SP04;1211-HOS89002-1-SP03;1211-HOS89002-1-SP02;1211-HOS89002-1-SP01;1211-HOR89003-2-SP07;1211-HOR89003-2-SP06;1211-HOR89003-2-SP05;1211-HOR89003-2-SP04;1211-HOR89003-1-SP03;1211-HOR89003-1-SP02;1211-HOR89003-1-SP01;7111-LS89035-9-SP16;7111-MS91A01-1-SP01;7111-MS00B01-9-SP18;7111-MS00B01-7-SP18;7111-MS00B01-7-SP03;7111-MS00B01-6-SP16;7111-MS00B01-6-SP15;7111-MS00B01-3-SP07;7111-MS00B01-3-SP06;7111-MS00B01-3-SP05;7111-MS00B01-3-SP04;1121-LS63203-2-SP20;1121-LS63203-2-SP19;1121-LS63199-2-SP02;1121-LS63199-2-SP01;1121-LS63191-1-SP03;1121-LS63191-1-SP02;1121-LS63191-1-SP01;1121-LS63190-2-SP07;1121-LS63190-2-SP03;1121-LS63190-2-SP02;1121-LS63190-1-SP06;1121-LS63190-1-SP05;1121-LS63190-1-SP04-ZZ;1121-LS63045-3-SP08;1121-LS63045-1-SP07;1121-LS63045-1-SP06;1121-LS63045-1-SP05;1121-LS63027-1-SP07;1121-LS63027-1-SP06;1121-LS63027-1-SP05;1121-LS63027-1-SP04;1121-LS63027-1-SP03;1121-LS63025-2-SP06;1121-LS63025-2-SP05;1121-LS63025-1-SP04;1121-LS63025-1-SP03;1121-LS63025-1-SP02;1121-LS63025-1-SP01;1121-LS6300X-1-SP03;1121-LS6300X-1-SP02;1121-LS6300X-1-SP01;1121-LS24011-1-SP04;1121-LS24011-1-SP03

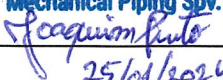
NOTES (\*): 4274-XH-PQ-00000001

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"

  
 Pinto Joaquim  
 Mechanical Piping Spv.

  
 25/01/2024

  
 L. Gomes  
 NWI

  
 R 7  
 W 7

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
SUBCONTRACTOR	Date [DD-MMM-YYYY] 25/01/2024	Name Patricia Teixeira	Signature Patricia Teixeira	
CONTRACTOR				
COMPANY				
(Free)				

  
 QC

# ISO Summary List

# 22635 / 1786

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-MS91A01-6**

Revision **00**

Priority **6**

Piping Size/Class **6-C-6**

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
01	S02	BW	6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 6" PIPE - A106-B BE SMLS ✓	521 116	722833 23101232	CE23004590_3.1_01 23503497	1:Eletrodo - SBX0812275 5:Vareta - PVX1312824	MW.21_BW	14/10/2023 S138	VT-I-048							
02	SF03	FT	6" PIPE - A106-B BE SMLS ✓	116	23101232	23503497											
03	F09	BW	6" PIPE - A106-B BE SMLS ✓ 6" PIPE - A106-B BE SMLS ✓	116 116	23101232 23101232	23503497 23503497											
04	SF02	FT	6" PIPE - A106-B BE SMLS ✓	116	23101232	23503497											
05	SF01	FT	6" PIPE - A106-B BE SMLS ✓	116	23101232	23503497											
06	S08	BW	6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 6" PIPE - A106-B BE SMLS ✓	521 116	722833 23101232	CE23004590_3.1_01 23503497	1:Eletrodo - SBX0812275 5:Vareta - PVX1312824	MW.21_BW	09/10/2023 S138	VT-I-043							
07	S07	BW	6" PIPE - A106-B BE SMLS ✓ 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	116 521	23101232 722833	23503497 CE23004590_3.1_01	1:Eletrodo - SBX0812275 5:Vareta - PVX1312824	MW.21_BW	10/10/2023 S138	VT-I-044							
08	F06	BW	6" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 6" PIPE - A106-B BE SMLS ✓	396 116	17367 23101232	CE23002010_3.1_01 23503497											
09	S05	BW	6" PIPE - A106-B BE SMLS ✓ 6" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	116 396	23101232 17367	23503497 CE23002010_3.1_01	1:Eletrodo - SBX0812275 5:Vareta - PVX1312824	MW.21_BW	14/10/2023 S138	VT-I-048							
10	S03	BW	6" PIPE - A106-B BE SMLS ✓ 6" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓	116 396	23101232 17367	23503497 CE23002010_3.1_01	1:Eletrodo - SBX0812275 5:Vareta - PVX1312824	MW.21_BW	14/10/2023 S138	VT-I-048							
11	F01	BW	6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	521	722833	CE23004590_3.1_01											
12	SF04	FT	6" PIPE - A106-B BE SMLS ✓	116	23101232	23503497											
13	S04	BW	6" 45 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 6" PIPE - A106-B BE SMLS ✓	396 116	17367 23101232	CE23002010_3.1_01 23503497	1:Eletrodo - SBX0812275 5:Vareta - PVX1312824	MW.21_BW	14/10/2023 S138	VT-I-048							

## 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: *Patricia Teixeira*

Date: *25/01/2024*

Sign: *Patricia Teixeira*

## APPROVED by Client

Name: *L. Gomes*

Date: *25/01/2024*

Sign: *L. Gomes*

## APPROVED by 3rd party or AI

Name:

Date:

Sign:







FLUID CODE: MS									
LINE NO. 6"-MS-91A01-C-6 (HA)									
PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.				
C-6	HA / 120	E	N	NR	19-A-19-000-1-01-00001 sheet 117				
REV	DATE	ISSUED FOR CONSTRUCTION	TG	MV	TM				
00	06-09-2023	ISSUED FOR CONSTRUCTION							
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D				

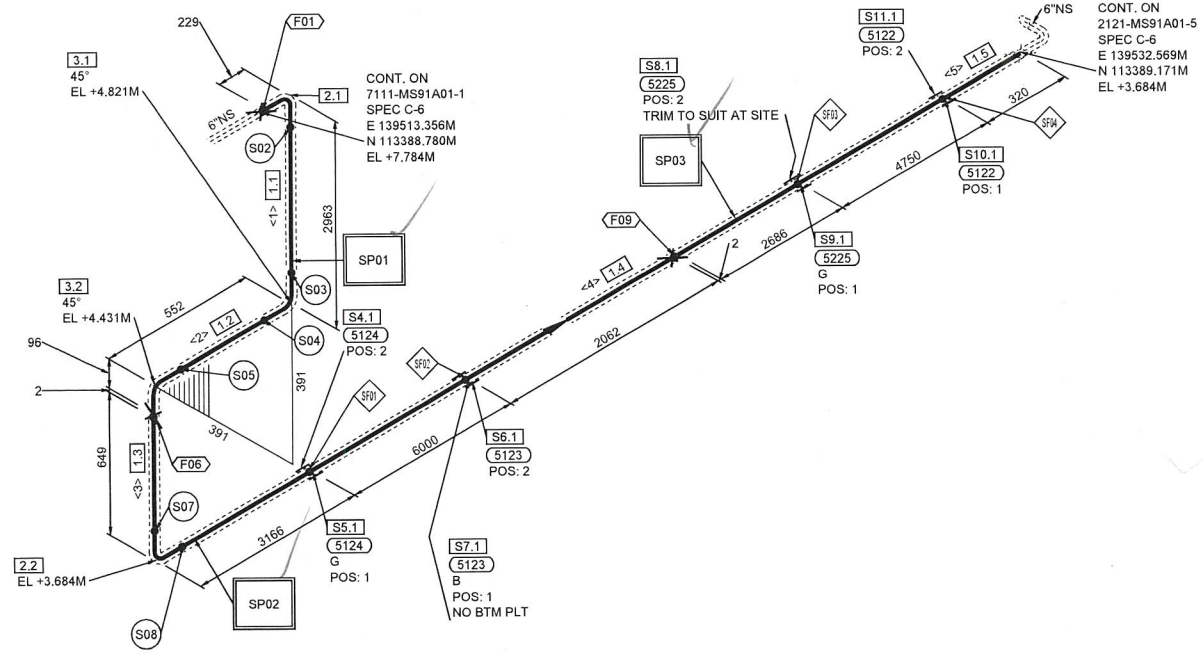
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		IDENTIFICATION CODE			
Job	4274	Area	2121	MS91A01			
UNIT	19	SHEET	6	REV	00		
PIPING ASSEMBLY DRAWING	19-L-19-000-2-00-55197 sheet 3	PIPING SUPPORT SPECIFICATION	XH-SG-000000002	PIPING STANDARD SUPPORT SUMMARY	XH-LP-000000001		
PIPING ISOMETRIC LIST	XH-LD-21210001	PIPING TYPICAL INSTALLATIONS	XH-SL-000000002	WELDING SPECIFICATION	XH-SW-000000001		

BILL OF MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD - PIPAD10B16STD (L-7806)	6	I117981	22.2 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F36STD> (L-7955)	6	I128667	2	
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F36STD> (L-7956)	6	I201303	2	

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	SUPPORTS VERTICAL STAKES WELDED TO STR. ST48 HEA180	6	5124	1	
5	WELDED GUIDE-C1G1 H = 150 L = 300	6	5124	1	
6	VERTICAL STAKES WELDED TO STR. ST48 HEA180	6	5123	1	
7	WELDED ANCHOR-C1B2 H = 150 L = 180	6	5123	1	
8	VERT.TRESTLES WELDED TO STR TR34 HEA160	6	5225	1	
9	WELDED GUIDE-C1G1 H = 150 L = 300	6	5225	1	
10	RESTING SHOE WELDED-C1A1 H = 150 L = 300	6	5122	1	
11	WELDED BRACKET TO STRUCT. SB02 HEA100	6	5122	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>	2635	6"	F01	F	6"	BW				
<2>	358	6"	S02	S	6"	BW				
<3>	418-518	6"	S03	S	6"	BW				
<4>	7930 10997	6"	S04	S	6"	BW				
<5>	7756	6"	S05	S	6"	BW				
	10826	6"	F06	F	6"	BW				
			S07	S	6"	BW				
			S08	S	6"	BW				
			SF01	F	6"	FT				
			SF02	F	6"	FT				
			F09	F	6"	BW				
			SF03	F	6"	FT				
			SF04	F	6"	FT				
INCH METER										
PIPE NS (IN)							CL LENGTH (M)			
6							23.6			
ISOMETRIC NO. 4274-SP-XH-DL-2121-MS91A01-6-IS00										SPOOLING REV NO. 00



**TECNIMONT**  
Pinto Joaquim  
Mechanical Piping Spv.  
*Joaquim Pinto*  
25/01/2024



M	MECWISE	Prep.: TG	Proc. NR: PCL 22635
Dimensional:	Status: IFC	Date: 06-09-2023	Rev: 00
Before Welding	Signature: <i>[Signature]</i>		
After Welding	Signature: <i>[Signature]</i>		

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

JOINT TYPE	PIPE TYPE OF JOINT	JOINT TYPE	PIPE TYPE OF JOINT	JOINT TYPE	PIPE TYPE OF JOINT	JOINT TYPE	PIPE TYPE OF JOINT
BW	G	SB	B	LET	LET	SOB	B
FW	S	SLW	B	LP	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

This document is Technimont's property, and cannot be used by others for any purpose without prior written consent.

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.12" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. LINES 1.12" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. FOR THE COMPONENT MARKED AS FIELD WELDED, ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT. ASSISTING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4946-XH-SG-0000000004. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST. 0449-XH-L-10-000-00001