

 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-310-000114_RFI2159_MOD-ITP-XL_220	
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000114_RFI2159 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

1211-HOS89004-1-SP04;1211-HOS89004-1-SP03;1211-HOS89004-1-SP02;1211-HOS89004-1-SP01;1211-HOS89002-2-SP11;1211-HOS89002-2-SP10;1211-HOS89002-2-SP09;1211-HOS89002-2-SP08;1211-HOS89002-2-SP07;1211-HOS89002-2-SP06;2121-MS91A01-5-SP05;2121-MS91A01-5-SP04;2121-MS91A01-4-SP09;2121-MS91A01-4-SP08;2121-MS91A01-4-SP07;2121-MS91A01-4-SP06-ZZ;1121-LS63067-1-SP10;1121-LS63067-1-SP09;1121-LS63067-1-SP08;1121-LS63001-2-SP05;1121-LS63001-2-SP04;1121-LS63001-2-SP02-ZZ;1121-LS63001-2-SP01;1121-LS63001-1-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"

Ion Dragos Andrei
30.04.2024


 L.Gomes
 NWI
 05/05/2024

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	30/04/2024	Patricia Texeira	Patricia Texeira	
CONTRACTOR				
COMPANY				
(Free)				



ISO Summary List

22635 / 1784
Page 1

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

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

% RT/UT
% PT/MT

ISO # **2121-MS91A01-4**
Piping Size/Class **6-C-6**

Revision **00**
PED Category **I**

Priority **2**
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
06	S19	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	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	11/10/2023 B371	VT-I-045							
06	S20	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	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	09/10/2023 B371	VT-I-043							
06	S21	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	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	09/10/2023 B371	VT-I-043							
07	S23	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	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	11/10/2023 B371	VT-I-045							
07	S24	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	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	11/10/2023 B371	VT-I-045							
07	S25	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	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	11/10/2023 B371	VT-I-045							
08	S27	BW	6" PIPE - A106-B BE SMLS ✓ 6x6" WN FLANGE ASME B16.5 300# A105N RF ✓	116 37	23101232 ✓ 05HC23 ✓	23503497 224997	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	11/10/2023 B371	VT-I-045		RT: RT-I-0204					
09	S28	BW	6x6" WN FLANGE ASME B16.5 300# A105N RF ✓ 6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓	37 521	05HC23 ✓ 722833 ✓	224997 CE23004590_3_1_01	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	09/10/2023 B371	VT-I-043		RT: RT-I-0467					
09	S29	BW	6" 90 LR ELBOW ASME B16.9 A234-WPB BE S ✓ 6x6" WN FLANGE ASME B16.5 300# A105N RF ✓	521 37	722833 ✓ 05HC23 ✓	CE23004590_3_1_01 224997	4:Eletrodo - SBX0910262 5:Vareta - PVX1312824	MW.21_BW	09/10/2023 B371	VT-I-043		RT: RT-I-0460					
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>Patricia Texeira</i> Date: <i>30/04/2024</i> Sign: <i>Patricia Texeira</i>			APPROVED by Client Name: TECNIMONT Date: <i>L.Gomes</i> <i>R 1</i> Sign: <i>NWI</i> <i>W</i>			APPROVED by 3rd party or AI Name: Date: Sign:			

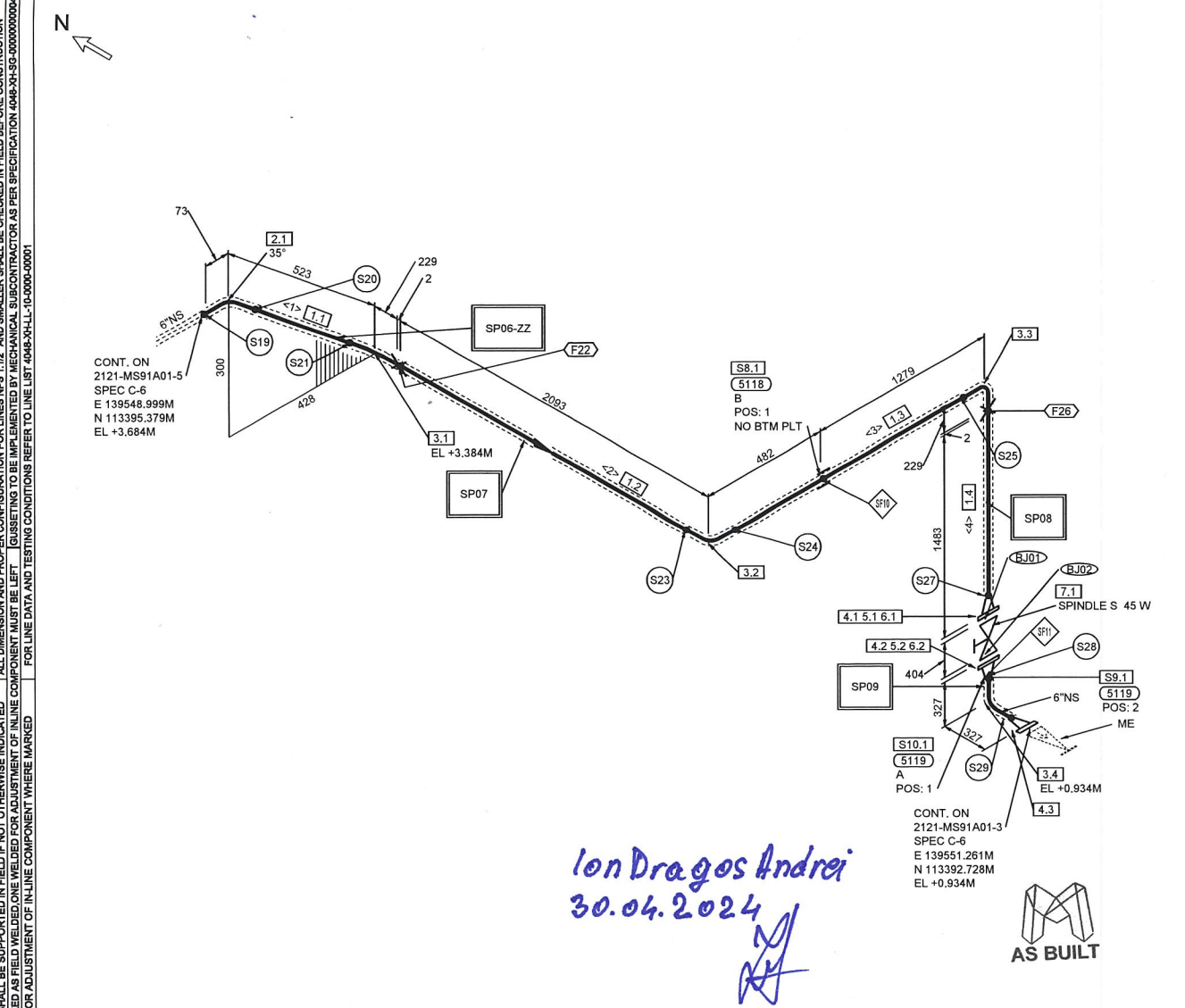
QC

03/05/2024



LINE DATA									
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	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D				
00	06-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM				

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	E/C	Area	N
				4274	XHDL	2121	MS91A01
				UNIT	19	SHEET	4
				REV	00		
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		PIPING STANDARD SUPPORT SUMMARY		PIPING STANDARD SUPPORT SUMMARY	
XH-LD-21210001		XH-SL-00000002		XH-LP-00000001		XH-SW-00000001	



BILL OF MATERIALS

FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806)	6	1117981	4.8 M
2	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F36STD> (L-7956)	6	1201303	1
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F36STD> (L-7955)	6	1128667	4
4	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CF044BV05 S-STD <WNFA300R356STD> (L-236)	6	14274965	3

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP CARBON STEEL SS 316 ASME B16.5 G03GFP1A01 <SPWQ400R36> (L-1528)	6	11256132	2
6	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R51G3/45> - 2 NUTS PER BOLT - 125 mm Length	3/4	153437468	24
7	VALVES / IN-LINE ITEMS GATE VALVE API 600 300# A216-WCB RFFE 5-HARDFACED API 600 B7/2H 125 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FFC29B14 NRE QD <G46L-1741> (L-1741)	6	1214364	1
8	SUPPORTS WELDED ANCHOR - C182 H = 150 L = 120	6	5118	1
9	STAKES SUPPORTS ST09 HEA120	6	5119	1
10	WELDED BASE - BW01 DN2 = 4 L = 250	6	5119	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)	LENGTH (MM)
<1>	218	6"	S19	S	6"	BW	BJ01	6"	125
<2>	1652	6"	S20	S	6"	BW	BJ02	6"	125
<3>	1300	6"	S21	S	6"	BW			
<4>	1382	6"	F22	F	6"	BW			
			S23	S	6"	BW			
			S24	S	6"	BW			
			SF10	F	6"	FT			
			S25	S	6"	BW			
			F26	F	6"	BW			
			S27	S	6"	BW			
			SF11	F	6"	FT			
			S28	S	6"	BW			
			S29	S	6"	BW			

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

JOINT TYPE	ISBL TYPE OF JOINT	JOINT TYPE	ISBL TYPE OF JOINT	JOINT TYPE	ISBL TYPE OF JOINT	JOINT TYPE	ISBL TYPE OF JOINT
BW	G	BW	S	LET	LET	BOB	S
PW	S	SB	S	LP	RF	BOF	S
LA	RF	BLW	S	MTW	M	THD	TH

MECWIDE
Prep.: TG
Status: IFC
Date: 06-09-2023
Rev: 00
Signature: [Signature]
Before Welding: [Signature]
After Welding: [Signature]
* Assinilate deviation in the drawings ("+" or "-" n").
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)