

 Tecnimont S.p.A.	 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-310-000136_RFI2325_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000136_RFI2325 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VA49A02-2-SP04;2121-VA49A02-2-SP03;1121-BDL24073-1-SP05;1121-BDL24073-1-SP04;1211-CWR86011-2-SP02;1211-CWR86011-2-SP01;2121-VA49A05-2-SP04;2121-VA49A05-2-SP03;2121-VA49A05-2-SP02;2121-VA49A02-2-SP05;2121-FL40B01-1-SP03;2121-FL40B01-1-SP02;2121-FL40B01-1-SP01;2211-FL52A01-2-SP03;2211-FL52A01-2-SP02;1211-CWR86011-2-SP03;2121-FL41B01-2-SP05;2121-FL41B01-2-SP04;2121-FL41B01-1-SP03;2121-FL41B01-1-SP02;2121-FL41B01-1-SP01;2121-FL40K05-1-SP01;2211-IW91N06-1-SP03;2211-IW91N06-1-SP02;2211-IW91N06-1-SP01;2121-FL41C01-2-SP03;2121-FL41C01-2-SP02;2121-FL41B01-2-SP06;2211-PA91P06-2-SP06;2211-PA91P06-2-SP05;2211-IW91N06-2-SP06;2211-IW91N06-2-SP05;2211-IW91N06-1-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"

Ion Dragos Andrei
17.05.2024


 I.D. Polifonescu R
 NWI W
 17/05/24

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]	Name	Signature	
CONTRACTOR	14/05/2024	Ratnică Teșanu	Ratnică Teșanu	
COMPANY				
(Free)				



ISO Summary List

22635 / 2531

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-FL40K05-1**

Revision **01**

Priority **2**

Piping Size/Class **3-B32S1**

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
03 01	S01	BW	2x2" WN FLANGE ASME B16.5 150# A350-LF2	TCM	22904159	BLD-25-0525-019	21:Vareta F	MW.23_BW	16/02/2024	VT-M-038							
			3x2" ECCENTRIC REDUCER ASME B16.9 A420-	155	51822K	0012023-36	PVX4712033		S286								
04 01	S02	BW	3x2" ECCENTRIC REDUCER ASME B16.9 A420-	155	51822K	0012023-36	21:Vareta F	MW.23_BW	16/02/2024	VT-M-038							
			3" PIPE - A333-6 BE SMLS	453	23103238	23602074	PVX4712033		S286								
05 01	S03	OL	3" PIPE - A333-6 BE SMLS	453	23103238	23602074	21:Vareta F	MW.23_SBR	16/02/2024	VT-M-038							
			3x.75" REDUCING SOCKOLET MSS SP-97 3000	TCM	23048-VD41	2023-06-283-40	PVX4712033		S286								
06 01	S06	BW	3" PIPE - A333-6 BE SMLS	453	23103238	23602074	21:Vareta F	MW.23_BW	16/02/2024	VT-M-038							
			3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	587	720406	CE23004182_3.1.01	PVX4712033		S286								
07 01	S07	BW	3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	587	720406	CE23004182_3.1.01	21:Vareta F	MW.23_BW	16/02/2024	VT-M-038							
			3x3" WN FLANGE ASME B16.5 150# A350-LF2	TCM	22904159	BLD-25-0525-019	PVX4712033		S286								

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 Texeira*
Date: *14/05/2024*
Sign: *Patricia Texeira*

APPROVED by Client

Name: **TECNIMONT**
Date: **I.D. Polifonesscu R**
Sign: **NWI**

APPROVED by 3rd party or AI

Name:
Date:
Sign:



							LINE DATA					
							FLUID CODE: FL			LINE NO. 3"-FL-40K05-B32S1		
01	15-11-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM		PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
00	22-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM							
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D		B32S1	N / O	M	N	1	19-A-19-000-1-01-00001 sheet 4

TECHNIMONT		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS	Job	Area	2474	XHDL	2121	FL40K05
UNIT	19	SHEET	1	REV	01		

PIPING ASSEMBLY DRAWING	E C T N	PIPING SUPPORT SPECIFICATION	E C T N	PIPING STANDARD SUPPORT SUMMARY	E C T N
19-L-19-000-2-00-86102 sheet 2		XH-SG-000000002		XH-LP-000000001	
PIPING ISOMETRIC LIST	E C T N	PIPING TYPICAL INSTALLATIONS	E C T N	WELDING SPECIFICATION	E C T N
XH-LD-21210001		XH-SL-000000002		XH-SW-000000001	

BILL OF MATERIALS

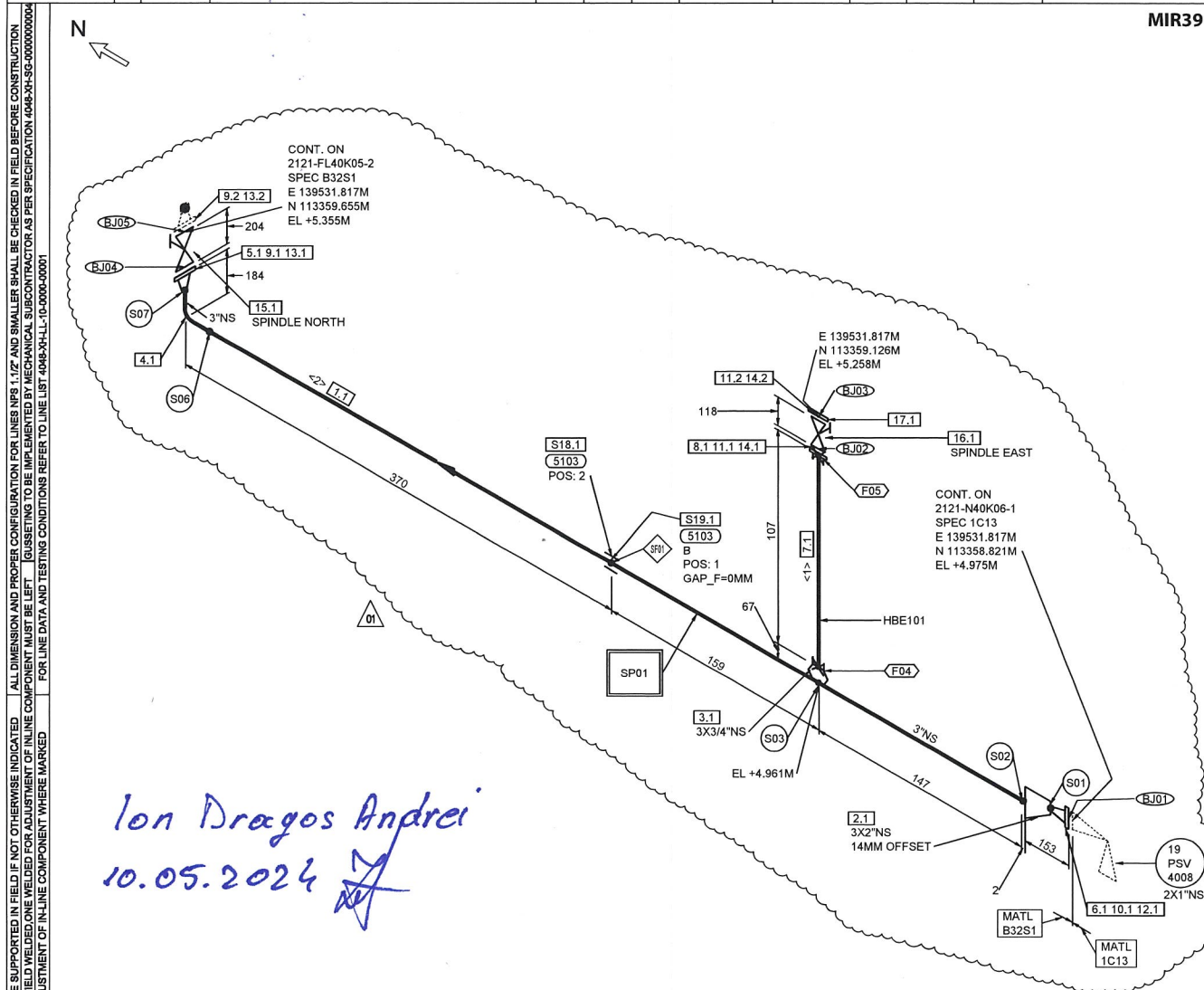
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020A13STD> (L-8199).	3	I146278	0.6 M	
2	FITTINGS ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD 3X2		I213207	1	
3	S-STD <EREL210F15151415> (L-8238).				
4	REDUCING SOCKLETT MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - 13DNCO7V101 NREQD <SOKL300LB01511> (L-7906).	3X3/4	I368227	1	
5	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <SOLL210F33STD> (L-7966).	3	I213645	1	
6	FLANGES WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01DC07BV05 S-STD <WNFL300R153STD> (L-7971).	3	I140827	1	
7	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01DC07BV05 S-STD <WNFL300R153STD> (L-7971).	2	I140779	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
7	PIPE PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A134XS> (L-PIP01).	3/4	I146384	0.1 M	
8	FLANGES SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F02DC07B105 S-XS <SWFL300R1534XS> (L-7970).	3/4	I820457	1	
9	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2Q501 <NMGQ102R1F3> (L-NMG17).	3	I1168079	2	
10	SPRALL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03SDPIA08 <N/A> (N/A).	2	I46364680	1	
11	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2Q501 <NMGQ102R1F34> (L-NMG17).	3/4	I1655198	2	
12	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/8312> - 2 NUTS PER BOLT - 85 mm Length	5/8	I55705048	4	
13	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/8312> - 2 NUTS PER BOLT - 90 mm Length	5/8	I55705059	8	
14	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/12212> - 2 NUTS PER BOLT - 65 mm Length	1/2	I55704809	8	
15	VALVES/IN-LINE ITEMS GATE VALVE API 600 150# A352-LCC RFFE 10-316 API 600 L77 125 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FDC82B12R NREQD <G43L-8353> (L-8353).	3	I63584469	1	
16	GATE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L77 125 - 250 AARH BB-OS&Y SOW API 602 HW ASME B16.5 V01GDC07BH1 NREQD <G43_4L-AL011> (L-AL011).	3/4	I63584653	1	
17	BLIND FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE NREQD 125 - 250 AARH F10DC07B005 <BLFL300R1534> (L-7972).	3/4	I560221	1	
18	SUPPORTS STAKES SUPPORTS ST05 HEA120	3	I503	1	
19	WELDED ANCHOR <C1B1 H = 100 L = 120	3	I503	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)
<1>	100	3/4"	S01	S	2"	BW	BJ01	2"	5/8"
<2>	560	3"	S02	S	3"	BW	BJ02	3/4"	1/2"
			S03	S	3/4"	OL	BJ03	1/2"	65
			F04	F	3/4"	SW	BJ04	3"	5/8"
			F05	F	3/4"	SW	BJ05	3"	5/8"
			SF01	F	3"	FT			
			S06	S	3"	BW			
			S07	S	3"	BW			

ISOMETRIC NO. 4274-SP-XH-DL-2121-FL40K05-1-ISO1 SPOOLING REV NO. 01



Ion Dragos Andrei
10.05.2024



AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE
BW	O	BW	S	LET	LET	SOB	S
FW	S	SB	B	LF	RF	SOB	S
LA	RF	BLW	B	MTW	M	THD	TH

MECWIDE	Prep: TG	Proc: NR: PCL 22635
Dimensional:	Status: IFC	Date: 15-11-2023 Rev: 01
Before Welding	Signature: [Signature]	
After Welding	Signature: [Signature]	

PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT