

 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-310-000030_RFI727 MOD-ITP-XL_220	
		RFI Nr.: 727	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-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"


 L.Gomes
 NWI
 04/01/2024


 NoBo 1145
 reviewed by
 witnessed by
 04/01/2024

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	04/01/2024	Patrícia Teixeira	Patrícia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	João Joaquim Pinto		
COMPANY					
(Free)					


 OC
 PIPING. SUP. TEM

ISO Summary List

22635 / 4251

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VG40P02-2**

Revision **00**

Priority **6**

Piping Size/Class **6-1C17**

PED Category **II**
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	S11	BW	6" STRAIGHT TEE ASME B16.9 A234-WPB BE 6" PIPE - A106-B BE SMLS	404 116	997153 23101232	CE23002020_3.1.01 23503497	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	28/11/2023 S71	VT-I-079							
02	S02	BW	6" STRAIGHT TEE ASME B16.9 A234-WPB BE 6" PIPE - A106-B BE SMLS	404 116	997153 23101232	CE23002020_3.1.01 23503497	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	28/11/2023 S71	VT-I-079							
04	S04	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	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	21/11/2023 S71	VT-I-075							
06	S06	BW	6x6" WN FLANGE ASME B16.5 150# A105N RF 6" PIPE - A106-B BE SMLS	39 116	07EE23 23101232	225263 23503497	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	21/11/2023 S71	VT-I-075							
07	S07	OL	6" PIPE - A106-B BE SMLS 6x.75" REDUCING SOCKOLET MSS SP-97 3000	116 425	23101232 244301	23503497 CE2022/1596	17:Vareta PVX4010501	MW.20_SBR S71	27/11/2023 S71	VT-I-078	MT: MT-I-046-A						
10	S10	BW	6x3" ECCENTRIC REDUCER ASME B16.9 A234- 3x3" WN FLANGE ASME B16.5 150# A105N RF	289 36	28843 043A22	CE23007000_3.1.01 224878	17:Vareta PVX4010501	MW.20_BW S71	21/11/2023 S71	VT-I-075							
11	S19	BW	6x3" ECCENTRIC REDUCER ASME B16.9 A234- 3x3" WN FLANGE ASME B16.5 150# A105N RF	289 36	28843 043A22	CE23007000_3.1.01 224878	17:Vareta PVX4010501	MW.20_BW S71	21/11/2023 S71	VT-I-075							
13	S13	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	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	21/11/2023 S71	VT-I-075							
15	S15	BW	6x6" WN FLANGE ASME B16.5 150# A105N RF 6" PIPE - A106-B BE SMLS	39 116	07EE23 23101232	225263 23503497	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	21/11/2023 S71	VT-I-075							
16	S16	OL	6x.75" REDUCING SOCKOLET MSS SP-97 3000 6" PIPE - A106-B BE SMLS	425 116	244301 23101232	CE2022/1596 23503497	17:Vareta PVX4010501	MW.20_SBR S71	27/11/2023 S71	VT-I-078							
18	S18	BW	6" PIPE - A106-B BE SMLS 6x3" ECCENTRIC REDUCER ASME B16.9 A234-	116 289	23101232 28843	23503497 CE23007000_3.1.01	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	21/11/2023 S71	VT-I-075							
19	S09	BW	6" PIPE - A106-B BE SMLS 6x3" ECCENTRIC REDUCER ASME B16.9 A234-	116 289	23101232 28843	23503497 CE23007000_3.1.01	2:Eletrodo - SBX0811798 17:Vareta - PVX4010501	MW.21_BW S71	21/11/2023 S71	VT-I-075							

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: *04/01/2024*

Sign: *Patricia Texeira*

QC

APPROVED by Client

Name: **TECNIMONT**

Date: **L. Gomes**

Sign: **NWI**
04/01/2024

APPROVED by 3rd party or AI

Name: *Joo Pina*

Date: *09/01/2024*

Sign: **SGS**

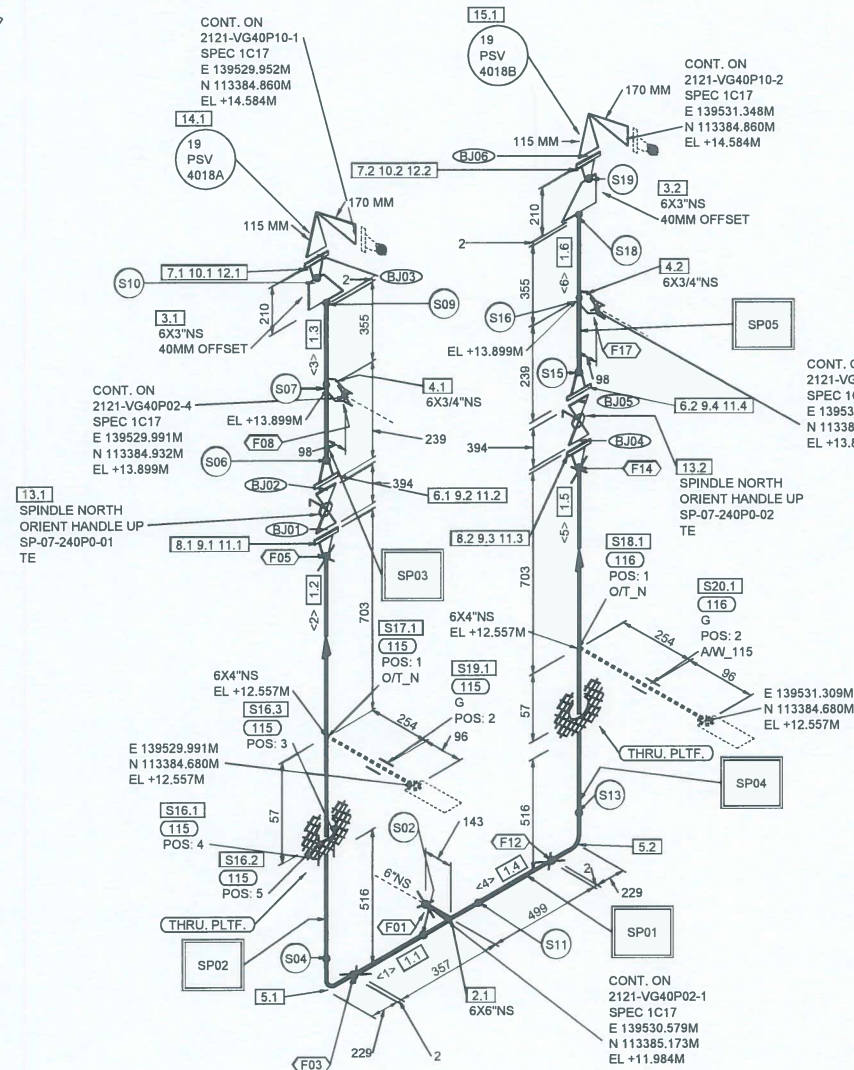
NoBo 1155

Reviewed by

Witnessed by



ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1, 1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. LINES 1, 1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. FOR THE COMPONENT MARKED AS FIELD WELDED OR FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT. FOR DATA AND TESTING CONDITIONS REFER TO LINE LIST 4046-XH-L-10-0000-00001.



JOAQUIM PINTO
PIPING SUP. TEAM
Joaoquim Pinto 04/11/2023
AS BUILT

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	JOINT TYPE	WELD TYPE
SW	W	SW	W	SW	W	SW	W	SW	W
FW	W	FW	W	FW	W	FW	W	FW	W
LA	W	LA	W	LA	W	LA	W	LA	W

M	MECOWIDE	Prep:	TG	PROC. NR:	PCI 22635
Dimensional:		Status:	IFC	Date:	19-10-2023
Before Welding	20/11/2023	Signature:			
After Welding	20/11/2023	Signature:			
* Assinilate deviation in the drawings ("n" or "n")					
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)					

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



PIPING ISOMETRIC

IDENTIFICATION CODE

PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS	UNIT	19	SHEET	2	REV	00
PIPING ASSEMBLY DRAWING	E C T N	PIPING SUPPORT SPECIFICATION	E C T N	PIPING STANDARD SUPPORT SUMMARY	E C T N	PIPING TYPICAL INSTALLATIONS	E C T N
PIPING ISOMETRIC LIST	XH-LD-2121-0001	PIPING TYPICAL INSTALLATIONS	XH-SI-00000002	WELDING SPECIFICATION	XH-SW-00000001		

BILL OF MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B16STD> (L-7806).	6	I117981	3.5 M	
2	STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD <TEBA030F317151715> (L-6955).	6X6	I129215	1	
3	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD <ERE0200F317151515> (L-7959).	6X3	I128342	2	
4	REDUCING SOCKLE MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01711> (L-343).	6X3/4	I1851371	2	
5	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F36STD> (L-7955).	6	I128667	2	
6	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R156STD> (L-149).	6	I4067788	2	
7	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R153STD> (L-149).	3	I4217820	2	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
8	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R156STD> (L-149).	6	I4067788	2	
9	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP11S12 <N/A> (N/A).	6	I63508932	4	
10	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP11S12 <N/A> (N/A).	3	I63508913	2	
11	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G3/4414> - 2 NUTS PER BOLT - 105 mm Length	3/4	I53437464	32	
12	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G5/8312> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	8	
13	BALL VALVE API 608 150# A216-WCB RFFE 316R-PFTE GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL GE ASME B16.5 V04JDC29BU1 NREQD <B46L-BA1434> (L-BA1434).	6	I9764157	2	
14	INSTRUMENT COMPONENT 19PSV4018A	3		1	
15	INSTRUMENT COMPONENT 19PSV4018B	3		1	
16	PIPING SUPPORT - BEAMS- BE03 HEA140	6	115	3	
17	WELDED EXTENSIONS-EW01 DN2 = 4 L = 350	6	115	1	
18	WELDED EXTENSIONS-EW01 DN2 = 4 L = 350	6	116	1	
19	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	4	115	1	
20	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	4	116	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>	344 312	6"	F01	F	6"	BW	BJ01	6"	3/4"	105
<2>	1054064	6"	S02	S	6"	BW	BJ02	6"	3/4"	105
<3>	503	6"	F03	F	6"	BW	BJ03	3"	5/8"	90
<4>	354	6"	S04	S	6"	BW	BJ04	6"	3/4"	105
<5>	1054064	6"	F05	F	6"	BW	BJ05	6"	3/4"	105
<6>	503	6"	S06	S	6"	BW	BJ06	3"	5/8"	90
			S07	S	3/4"	OL				
			F08	F	3/4"	SW				
			S09	S	6"	BW				
			S10	S	3"	BW				
			S11	S	6"	BW				
			F12	F	6"	BW				
			S13	S	6"	BW				
			F14	F	6"	BW				
			S15	S	6"	BW				
			S16	S	3/4"	OL				
			F17	F	3/4"	SW				
			S18	S	6"	BW				
			S19	S	3"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
6	9.8
3	0.8