

 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-310-000012_MOD-ITP-XL_220 RFI Nr.: 325 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000012 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2211-VRG50A08-3-SP04;2211-VRG50A08-3-SP02;2211-VRG50A08-3-SP03;2211-VRG50A08-3-SP01;1121-HCM31015-7-SP01;1121-HCM24069-3-SP15;1121-HCM23060-1-SP02;1121-HCM23060-1-SP01;2211-VRG50A01-2-SP02;2211-VRG50A01-2-SP01;2121-VRG41B09-3-SP13;2121-VRG41B09-3-SP12;2121-VRG41B09-2-SP11;2121-VRG41B09-2-SP10;2121-ET40J06-1-SP02;2121-ET40J06-1-SP01;2121-ET40F05-4-SP07;2121-ET40F05-3-SP06;2121-ET40F05-3-SP05;2121-ET40F05-2-SP04;2121-ET40F05-1-SP03;2121-ET40F05-1-SP02;2121-ET40F05-1-SP01;2121-CWR40B02-8-SP10;2121-COM40A01-4-SP07;2121-COM40A01-2-SP02;1121-PR50010-2-SP06;1121-PR50010-2-SP05;1121-PR50010-2-SP04;2121-HXE10C36-1-SP04;2121-HXE10C36-1-SP03;2121-HXE10C36-1-SP02;2121-HXE10C36-1-SP01;2121-ET40S05-1-SP02;2121-ET40S05-1-SP01;1121-PR35013-2-SP06;1121-PR35013-2-SP05;1121-PR34024-1-SP01;1121-PR43040-1-SP01;1121-PR35019-1-SP03;1121-PR35019-1-SP02;1121-PR35019-1-SP01;1121-LS24013-1-SP01;1121-HCM24068-1-SP02;1121-HCM24068-1-SP01;1121-HCM24067-2-SP02;1121-HCM24067-2-SP01;1121-HCM24067-1-SP05;1121-HCM24067-1-SP04;1121-HCM24067-1-SP03;1121-ET40007-1-SP01;1121-CHWR21008-1-SP03;1121-BDL34018-2-SP04;1121-BDL34018-2-SP03;1111-ET20C01-6-SP12;1111-ET20C01-6-SP11;1111-PR24033-2-SP02;1111-PR24033-2-SP01

JOAQUIM PINTO
PIPING SUP. TEM
Joaquim Pinto 30/10/2023

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"

SGS
Reviewed by
Witnessed by
30/10/2023

TECNIMONT
L. Gomes
NW1
30/10/2023



QC



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	30/10/2023	Fernando Almeida		
COMPANY	30/10/2023	ELIS GARCIA		
(Free)				


Sheet 01/01

2211-VRG50A08-3-SP04;2211-VRG50A08-3-SP02;2211-VRG50A08-3-SP03;2211-VRG50A08-3-SP01;1121-HCM31015-7-SP01;1121-HCM24069-3-SP15;1121-HCM23060-1-SP02;1121-HCM23060-1-SP01;2211-VRG50A01-2-SP02;2211-VRG50A01-2-SP01;1121-VRG41B09-3-SP13;1121-VRG41B09-3-SP12;1121-VRG41B09-2-SP11;1121-VRG41B09-2-SP10;1121-ET40J06-1-SP02;1121-ET40J06-1-SP01;1121-ET40F05-4-SP07;1121-ET40F05-3-SP06;1121-ET40F05-3-SP05;1121-ET40F05-2-SP04;1121-ET40F05-1-SP03;1121-ET40F05-1-SP02;1121-ET40F05-1-SP01;1121-CWR40B02-8-SP10;1121-COM40A01-4-SP07;1121-COM40A01-2-SP02;1121-PR50010-2-SP06;1121-PR50010-2-SP05;1121-PR50010-2-SP04;1121-HXE10C36-1-SP04;1121-HXE10C36-1-SP03;1121-HXE10C36-1-SP02;1121-HXE10C36-1-SP01;1121-ET40S05-1-SP02;1121-ET40S05-1-SP01;1121-PR35013-2-SP06;1121-PR35013-2-SP05;1121-PR34024-1-SP01;1121-PR43040-1-SP01;1121-PR35019-1-SP03;1121-PR35019-1-SP02;1121-PR35019-1-SP01;1121-LS24013-1-SP01;1121-HCM24068-1-SP02;1121-HCM24068-1-SP01;1121-HCM24067-2-SP02;1121-HCM24067-2-SP01;1121-HCM24067-1-SP05;1121-HCM24067-1-SP04;1121-HCM24067-1-SP03;1121-ET40007-1-SP01;1121-CHWR21008-1-SP03;1121-BDL34018-2-SP04;1121-BDL34018-2-SP03;7111-ET20C01-6-SP12;7111-ET20C01-6-SP11;1111-PR24033-2-SP02;1111-PR24033-2-SP01.

[illegible]

JOF  reviewed by 
NDD 1150 26
Assessed by
HA 30/10/2023

 **TECNIMONT**
L. Gomes
NW1
20/6/2023
R
W 


TECNIMONT
JOAQUIM PINTO
PIPING SUP.
Joaoquim Pinto

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	30/10/2023		Engr. A. A. A.			
CONTRACTOR	30/10/2023		Engr. A. A. A.			
COMPANY						
(Free)						

ISO Summary List

22635 / 1232

Page 1

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

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

% RT/UT

% PT/MT

ISO # **2121-HXE10C36-1** ✓
Piping Size/Class **2-1E21**

Revision **00**
PED Category **II**

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	Repair 1	Repair 2
01	03	S13	BW 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824	S46									
02	01	S02	BW 2" PIPE - A106-B BE SMLS	16	23101884	23310545	5 Varella	MW.20_BW	23/08/2023	VT-I-009		RT: RT-I-080					
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	PVX1312824	S46									
03	01	S03	BW 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824	S46									
04	01	S04	BW 2" PIPE - A106-B BE SMLS	16	23101884	23310545	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	PVX1312824	S46									
05	01	S05	BW 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824	S46									
07	02	S07	BW 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824	S46									
08	02	S08	BW 2" PIPE - A106-B BE SMLS	16	23101884	23310545	5 Varella	MW.20_BW	24/08/2023	VT-I-010							
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	PVX1312824	S46									
08	02	S09	BW 2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	5 Varella	MW.20_BW	23/08/2023	VT-I-009		RT: RT-I-083					
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824	S46									
12	03	S12	BW 2" PIPE - A106-B BE SMLS	16	23101884	23310545	5 Varella	MW.20_BW	24/08/2023	VT-I-010							
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	PVX1312824	S46									
13	03	S14	BW 2" PIPE - A106-B BE SMLS	16	23101884	23310545	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1.01	PVX1312824	S46									
15	04	S16	BW 2" PIPE - A106-B BE SMLS	16	23101884	23310545	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2x2" WN FLANGE ASME B16.5 300# A105N RF	39	B8AV0	225263	PVX1312824	S46									
16	03	S11	BW 2" 45 LR ELBOW ASME B16.9 A234-WPB BE S	393	93	CE23002007_3.1.01	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824	S46									
17	02	S25M	BW 2" PIPE - A106-B BE SMLS	16	23101884	23310545	5 Varella	MW.20_BW	23/08/2023	VT-I-009							
			2" PIPE - A106-B BE SMLS	16	23101884	23310545	PVX1312824	S46									

SGS reviewed by
NoBo 1155 witnessed by

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: **25/10/2023**
Sign: **Patricia Teixeira**

QC

APPROVED by Client

Name: **TECNIMONT**
Date: **L.Gomes**
Sign: **NWI**

APPROVED by 3rd party or AI

Name: **JOAO AMARAL**
Date: **30/10/2023**
Sign: **JOAO AMARAL**

REV		DATE	DESCRIPTION	DRAWN UP	CHKD UP	APP'D	1E21	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 8
00	10-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM						

FLUID CODE: HXE		LINE NO. 2"-HXE-10C36-1E21		PIPING MATERIAL CLASS		INSULATION		WELD CLASS		HEAT TREATMENT		PAINTING CODE		P&ID No.	

IDENTIFICATION CODE		Job		Area		N	
4274		XHDL		2121		HXE10C36	

UNIT		19		SHEET		1		REV		00	

PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY	
19-L-19-000-2-00-86196 sheet 2		XH-SG-00000002		XH-LP-00000001	

PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION	
XH-LD-21210001		XH-SL-00000002		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 <PIPA010B12STD> (L-7806)	2	I117862	17.7 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F32STD> (L-7955)	2	I128529	6
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F32STD> (L-7956)	2	I210283	1
4	FLANGES WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R352STD> (L-236)	2	I5355797	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	SUPPORTS STANDARD GUIDE FOR NOT INS PIPING-N1G1	2	401	1
6	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	2	401	1
7	STANDARD GUIDE FOR NOT INS PIPING-N1G1	2	402	1
8	STANDARD GUIDE FOR NOT INS PIPING-N1G1	2	403	1
9	STAKES SUPPORTS ST05 HEA100	2	421	1
10	STANDARD GUIDE FOR NOT INS PIPING-N1G1	2	421	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>	2944	2"	F01	F	2"	BW				
<2>	1044	2"	S02	S	2"	BW				
<3>	834	2"	S03	S	2"	BW				
<4>	199	2"	S04	S	2"	BW				
<5>	10809	2"	S05	S	2"	BW				
<6>	76	2"	F06	F	2"	BW				
<7>	1388	2"	S07	S	2"	BW				
<8>	370	2"	S08	S	2"	BW				
			S09	S	2"	BW				
			F10	F	2"	BW				
			S11	S	2"	BW				
			S12	S	2"	BW				
			S13	S	2"	BW				
			S14	S	2"	BW				
			F15	F	2"	BW				
			S16	S	2"	BW				

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
2	19.0

SPOOLING REV NO. 00	
ISOMETRIC NO. 4274-SP-XH-DL-2121-HXE10C36-1-IS00	

SHEET NO. 1 OF 1	

AUTHORISED FOR CONSTRUCTION

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

LEGENDS

JOINT TYPE	HME TYPE OF JOINT	JOINT TYPE	HME TYPE OF JOINT	JOINT TYPE	HME TYPE OF JOINT	JOINT TYPE	HME TYPE OF JOINT	JOINT TYPE	HME TYPE OF JOINT
BW	G	SW	S	LET	LET	SOF	S		
FW	S	SIB	B	LF	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

MECOWIDE		Prep.:	TG	PROC. NR:	PCL 22635
Status:		IFC	Date:	10-08-2023	Rev: 00
Dimensional:		Signature:			
Before Welding		22/8/2023			
After Welding		24/8/2023			
* Assinalate deviation in the drawings ("+" n" or "- n").					
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)					

TECNIMONT
JOAQUIM PINTO
PIPING SUP
Joaoquin Pinto
AS BUILT