

 TECNIMONT Tecnimont S.p.A.	 REPSOL 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;7111-ET20C01-6-SP12;7111-ET20C01-6-SP11;1111-PR24033-2-SP02;1111-PR24033-2-SP01

João Pinto
Piping Sup. TEM
João 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
NW
30/10/2023

Signature

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] 30/10/2023	Name Frederico Almeida	Signature	
CONTRACTOR	30/10/2023	L. S. Gomes		
COMPANY				
(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;1121-1-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;1121-1-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]

JOE [Signature] 30/10/2023


TECNIMONT
L. Gomes R W ☒
NW 20/6/2003

 **TECNIMONT**
JOAQUIM PINTO
PIPING SUP.
Joaquim 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	Enriquez Alvarado	[Signature]		
CONTRACTOR		30/10/2023	Luis Garcia	[Signature]		
COMPANY						
(Free)						

ISO Summary List

22635 / 1324

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-COM40A01-4**

Revision **00**

Priority **6**

Piping Size/Class **2-1E21**

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	Repair 1	Repair 2
02	07	S49	BW	2" PIPE - A106-B BE SMLS	16	23101884	23310545	5-Varela	MW.20_BW	28/08/2023	VT-I-012	RT: RT-I-0114					
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1_01	PVX1312824		S46								
03	07	S50	BW	2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1_01	5-Varela	MW.20_BW	28/08/2023	VT-I-012						
			2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339	73	CE23001995_3.1_01	PVX1312824		S46								
04	07	S59M	BW	2" PIPE - A106-B BE SMLS	16	23101884	23310545	5-Varela	MW.20_BW	28/08/2023	VT-I-012						
			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 Texeira**
Date: **25/10/2023**
Sign: **Patricia Texeira**

QC

APPROVED by Client


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

APPROVED by 3rd party or AI

Name: **30/10/2023**
Date: **30/10/2023**
Sign: **[Signature]**



					LINE DATA							
					FLUID CODE: COM			LINE NO. 2"-COM-40A01-1E21				
					PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.		
00	23-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM						
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D	1E21	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 28

 Tecnimont			PIPING ISOMETRIC			IDENTIFICATION CODE												
PLANT: SINES INDUSTRIAL COMPLEX			CLIENT REF: REPSOL POLYMEROS			Job		EICT		Area		N						
						4274		XHDL		2121		COM40A01						
						UNIT		19		SHEET		4		REV		00		
REFERENCES	PIPING ASSEMBLY DRAWING			E C T N			PIPING SUPPORT SPECIFICATION			E C T N			PIPING STANDARD SUPPORT SUMMARY			E C T N		
	19-L-19-000-2-00-86197 sheet 3			XH-SG-00000002			XH-LP-00000001											
	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-00000002			XH-SW-00000001									

BILL OF MATERIALS

FABRICATION MATERIALS

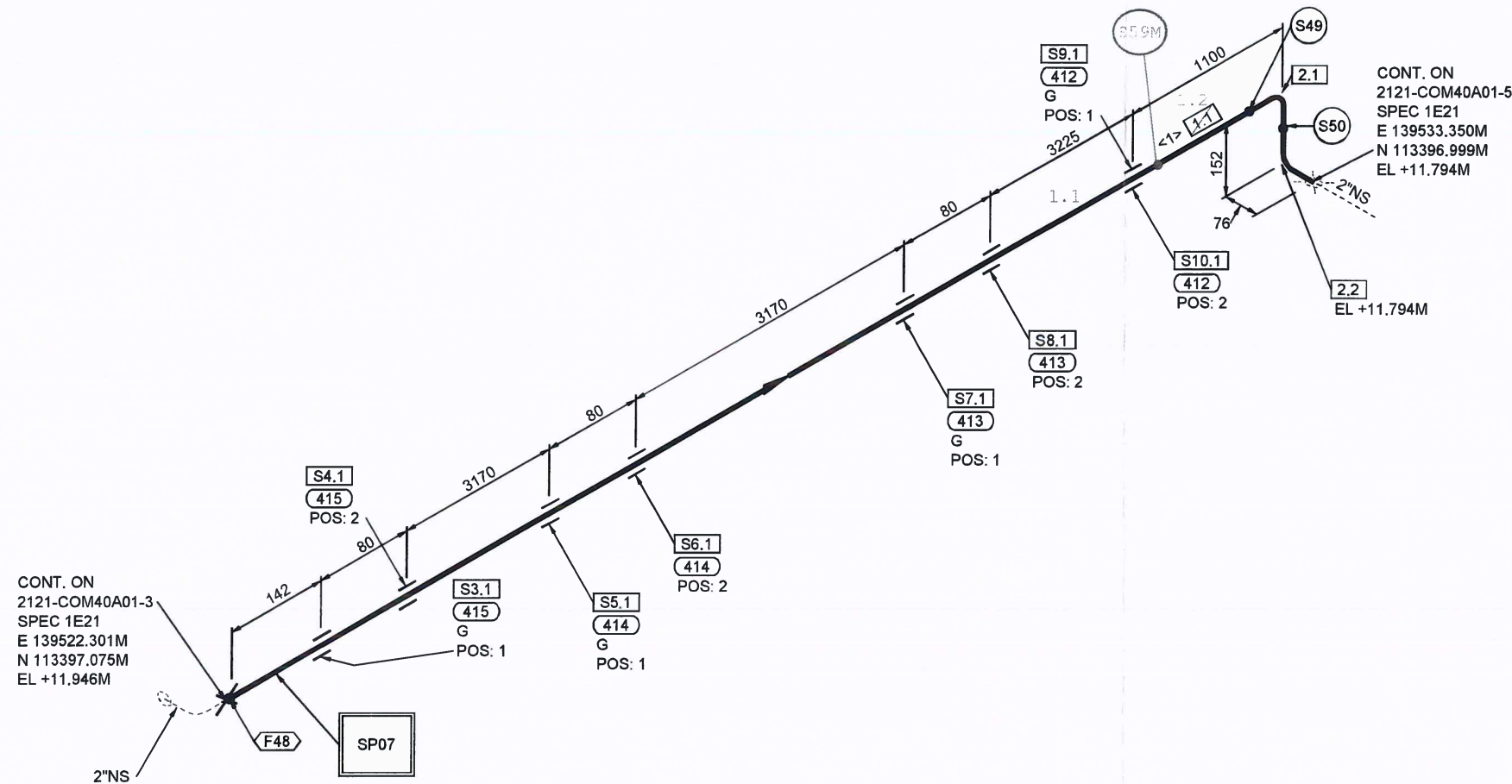
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806)	2	I117862	11.0 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F32STD> (L-7955)	2	I128529	2	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
3	SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	415	1	
4	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	415	1	
5	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	414	1	
6	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	414	1	
7	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	413	1	
8	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	413	1	
9	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	412	1	
10	WELDED BRACKET TO STRUCT. SB01 L80X80X10	2	412	1	

CUT 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>	10969	2"	F48	F	2"	BW				
			S49	S	2"	BW				
			S50	S	2"	BW				
INCH METER										
PIPE NS (IN)								CL LENGTH (M)		
2								11.4		
ISOMETRIC NO. 4274-SP-XH-DL-2121-COM40A01-4-IS00									SPOOLING REV NO. 00	



AUTHORISED FOR CONSTRUCTION

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

LEGENDS

JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT
BW	G	SW	S	LET	LET	SOB	B
FW	S	SLB	B	LF	RF	BOF	S
LA	RF	SLW	S	MTW	M	THD	TH

Notes: 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

M MECWIDE	Prep.: TG	PROC. NR: PCL 22635		
	Status: IFC	Date: 23-08-2023 Rev: 00		
Dimentional:				
Before Welding	23/8/2023			
After Welding	23/8/2023			
* Assinalate deviation in the drawings ("n" or "n").				
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)				

TECNIMONT
JOAQUIM PINTO
PIPING SUP
Joaoquim Pinto
AS BUILT