

 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-310-000131_RFI2428_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000131_RFI2428 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-CWS91J11-1-SP01;2211-CWS91J07-4-SP07;2211-CWR91K05-4-SP01;2211-CWR91K05-2-SP06;2211-CWR91K05-2-SP05;2211-CWR91K05-2-SP04;2121-CWS91J11-1-SP02;1211-CWS89041-1-SP02;1211-CWS89041-1-SP01;2211-FW68J02-1-SP06;2211-FW68J02-1-SP05;2211-FW68J02-1-SP04;2211-FW68J02-1-SP03;1211-WW70B01-2-SP10;1211-WW70B01-2-SP09

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"

 **TECNIMONT**

Pinto Joaquim
Mechanical Piping Spv.

Joaquim Pinto
14/05/2024

 **TECNIMONT**
I.D.Polifronescu R ☒
NW1 14/05/24 W ☐

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] 14/05/2024	Name Patricia Texeira	Signature Patricia Texeira	
CONTRACTOR				
COMPANY				
(Free)				


QC

ISO Summary List

22635 / 2504

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS91J11-1**

Revision **01**

Priority **2**

Piping Size/Class **28-B-1**

PED Category **Art 4.3**

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	S01	BW	28x28" WN FLANGE ASME B16.47-B 150# A10 28" 90 LR ELBOW ASME B16.9 A234-WPB BE	TCM 82	3A02918 920545	BLD-25-0525-006 CE23005151_3.1_01	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	14/02/2024 S287	VT-M-036							
02	S02	BW	28" 90 LR ELBOW ASME B16.9 A234-WPB BE 28" PIPE - A672-C60 BE EFW CL.22	82 42	920545 VK641479	CE23005151_3.1_01 DSC-23-080-01	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	14/02/2024 S287	VT-M-036							
03	S03	BW	28" PIPE - A672-C60 BE EFW CL.22 28x28" WN FLANGE ASME B16.47-B 150# A10	42 TCM	VK641479 3A02918	DSC-23-080-01 BLD-25-0525-006	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	13/02/2024 S287	VT-M-035							
04	S04	BW	28x28" WN FLANGE ASME B16.47-B 150# A10 28" 90 LR ELBOW ASME B16.9 A234-WPB BE	40 82	19AV22 920545	225274 CE23005151_3.1_01	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	14/02/2024 S279	VT-M-036							
05	S05	BW	28" 90 LR ELBOW ASME B16.9 A234-WPB BE 28" PIPE - A672-C60 BE EFW CL.22	82 42	920545 VK641479	CE23005151_3.1_01 DSC-23-080-01	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	14/02/2024 S279	VT-M-036							
06	S06	BW	28" PIPE - A672-C60 BE EFW CL.22 28x28" WN FLANGE ASME B16.47-B 150# A10	42 40	VK641479 19AV22	DSC-23-080-01 225274	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	13/02/2024 S279	VT-M-035							

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: *13/05/2024*

Sign: *Patricia Texeira*

APPROVED by Client

Name: **TECNIMONT**

Date: *I.D. Polifonescu R*

Sign: *13/05/24*

APPROVED by 3rd party or AI

Name:

Date:

Sign:



						LINE DATA					
						FLUID CODE: CWS			LINE NO. 28"-CWS-91J11-B-1		
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
01	21-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	B-1	N / O	E	N	1	19-A-19-000-1-01-00001 sheet 10
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D						

TECNIMONT		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	Area	N	
				4274	XHDL	2121	CWS91J11
				UNIT	19	SHEET	1
				REV		01	
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY		PIPING TYPICAL INSTALLATIONS	
19-L-19-000-1-01-00001 sheet 1		XH-SG-000000002		XH-LP-000000001		XH-SL-000000002	
PIPING ISOMETRIC LIST		XH-LD-21210001		XH-SW-000000001			

BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.

1	PIPE PIPE - A672-C60 BE EFV CL.22 T01AC24V44 S-STD <PIPA0C0B128STD> (L-9633)	28	I2210449	3.4 M
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE WELD C01DC04V02 S-STD <90LA20WF328STD> (L-7955-W)	28	I202347	2
3	FLANGES WN FLANGE ASME B16.47-B 150# A105N RFBE BE 125 - 250 AARH F01MDC44BV05 S-STD <WNFA300R1628STD> (L-8517)	28	I7846328	4
4	SUPPORTS RESTING SHOE WELDED -C4A1 H = 150 L = 300	28	5230	1

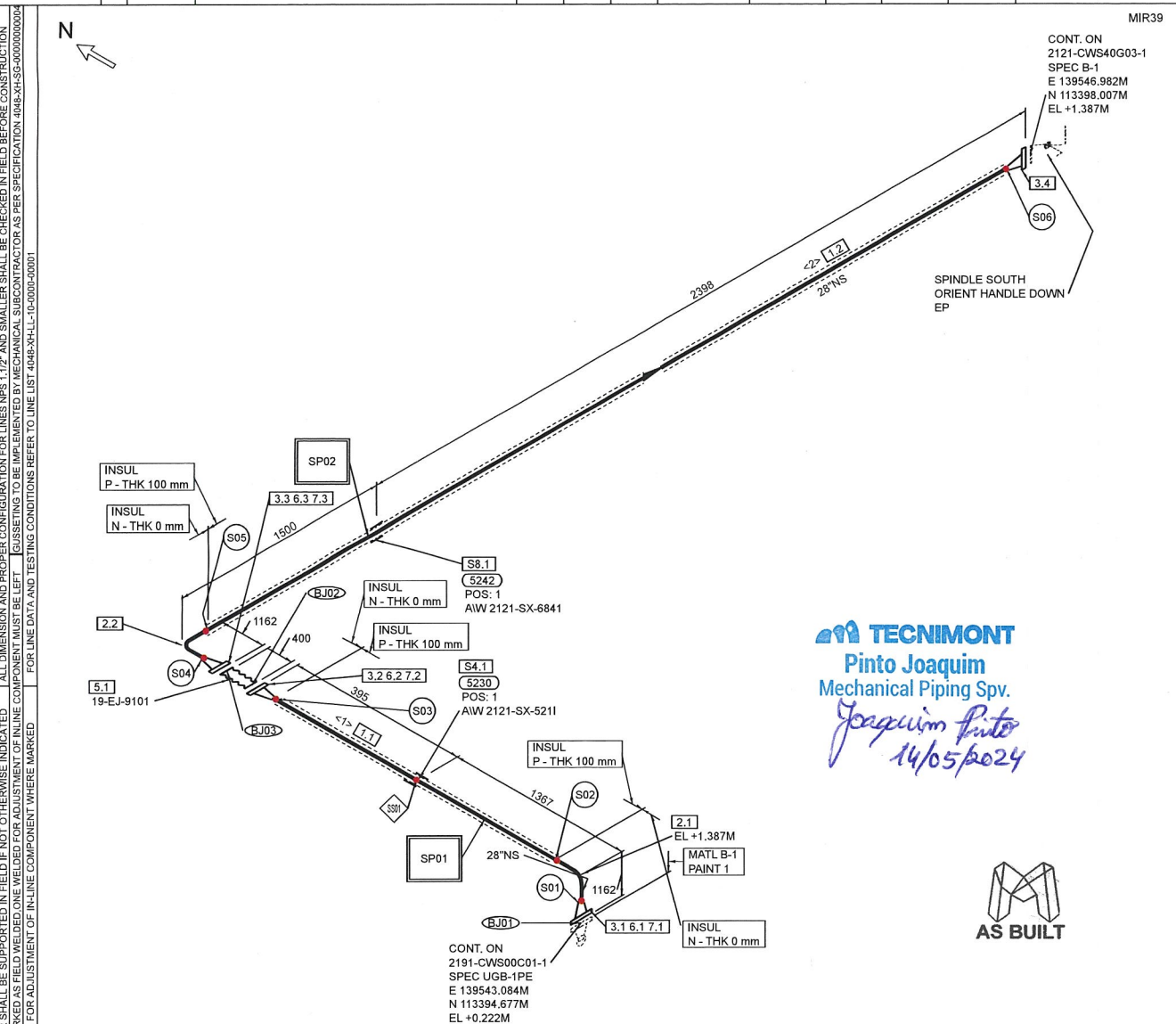
ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	FITTINGS SPECIALTY COMPONENT	28	19-EJ-9101	1
6	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.47-B G02HDP2QR05 <NMG0009R1FC28> (L-NMG11)	28	I1676991	3
7	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R51G3/453/4> - 2 NUTS PER BOLT - 145 mm Length	3/4	I53437472	120
8	SUPPORTS RESTING SHOE WELDED -C4A1 H = 150 L = 300	28	5242	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>	596	28"	S01	S	28"	BW	BJ01	28"	3/4"
<2>	2731	28"	S02	S	28"	BW	BJ02	28"	3/4"
			SS01	S	28"	FT	BJ03	28"	3/4"
			S03	S	28"	BW			
			S04	S	28"	BW			
			S05	S	28"	BW			
			S06	S	28"	BW			

INCH METER		PIPE NS (IN)		CL LENGTH (M)	
		28		8.3	

ISOMETRIC NO. 4274-SP-XH-DL-2121-CWS91J11-1-IS01				SPOOLING REV NO. 01	
--	--	--	--	---------------------	--

SHEET NO. 1 OF 1					
------------------	--	--	--	--	--



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.

Joaquim Pinto
14/05/2024



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

LEGENDS	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE
RAW	G	SW	S	LFT	LEI	SOB	B	FW	S	SB
FW	S	SB	B	LF	RF	SOF	S	L4	RF	SLW
L4	RF	SLW	S	MTW	M	THD	TH			

M MECWIDE		Prep.: TG	Proc. NR: PCL 22635
Status: IFC		Date: 21-09-2023	Rev: 01
Dimensional:		Signature:	
Before Welding:		After Welding:	

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

This document is Technimont's property, and cannot be used by others for any purpose without prior written consent.

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED ONE WELDED FOR ADJUSTMENT OF INLINE COMPONENT MUST BE LEFT
FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0001-00001