# AN TECHIMONT



#### **4274 CONST**

### 4274-ALBA PROJECT-PP AND PEL PLANTS



MOD-ITP-XL\_220

Rev.1

REPSOL POLIMEROS

RELEASE OF SPOOLS FROM WORKSHOP

Report n° IP-WSR-P-310-000012\_MOD-ITP-XL\_220

RFI Nr.:

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-HCM31 015-7-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-VRG4 1B09-2-SP10;2121-ET40J06-1-SP02;2121-ET40J06-1-SP01;2121-ET40F05-4-SP07;2121-ET40F05-3-SP06;2121-E T40F05-3-SP05;2121-ET40F05-2-SP04;2121-ET40F05-1-SP03;2121-ET40F05-1-SP02;2121-ET40F05-1-SP01;212 1-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-H XE10C36-1-SP01;2121-ET40S05-1-SP02;2121-ET40S05-1-SP01;1121-PR35013-2-SP06;1121-PR35013-2-SP05;11 21-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-HCM240 67-2-SP01;1121-HCM24067-1-SP05;1121-HCM24067-1-SP04;1121-HCM24067-1-SP03;1121-ET40007-1-SP01;112 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

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"

10/0023

**L.Gomes** 

Name

un

LEGEND OF CHECK RESULT

COMPANY (Free)

Checked & **NOT Accepted** 

Date

Checked &  $\overline{\mathbf{V}}$ Accepted

N.A. Not Applicable

Punch List Y/N Produced

SUBCONTRACTOR CONTRACTOR

[DD-MMM-YYYY]

**G**ignature

# **AN** TECHIMONT



#### **4274 CONST**

## 4274-ALBA PROJECT-PP AND PEL PLANTS



REPSOL POLIMEROS

rechimont S.p.A.	SA					
MOD-ITP-XL_220 Rev.1	RELEASE OF SPOO	DLS FROM WORKSHOP	Report n° ii	P-WSR-P-310-00	0012_MOD-ITP-X	(L_220
			RFI Nr.:	375	Date :	
Unit	-					
Plant Area	•					
Isometric Number						
Inspection Package Number	IP-WSR-P-310-0000	12 - IP Spool Release Fro	om 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-HCM31 015-7-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-VRG4 1B09-2-SP10;2121-ET40J06-1-SP02;2121-ET40J06-1-SP01;2121-ET40F05-4-SP07;2121-ET40F05-3-SP06;2121-E T40F05-3-SP05;2121-ET40F05-2-SP04;2121-ET40F05-1-SP03;2121-ET40F05-1-SP02;2121-ET40F05-1-SP01;212 1-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-H XE10C36-1-SP01;2121-ET40S05-1-SP02;2121-ET40S05-1-SP01;1121-PR35013-2-SP06;1121-PR35013-2-SP05;11 21-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-HCM240 67-2-SP01;1121-HCM24067-1-SP05;1121-HCM24067-1-SP04;1121-HCM24067-1-SP03;1121-ET40007-1-SP01;112 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-

Spool No.	Ready for destination to: P: Painting (1) W: Wrapping F: Field	NDE Class	Check List								
			Visual Inspect	Traceability OK (2)	Pending NDE / PMI (Yes/No/NA)	PWHT / HARDNESS (Yes/No/NA)	Inside Cleaning (3) (Yes/No/NA)	Spool Identified (Yes/No/NA)			

30/10/023

TECNIMONT **L.Gomes** w NWL 2003

TECNIMONT CARUIH PINTO PIPING SOP. Googuin Puto

LEGEND	$\alpha$ r	CHICCK	DECLUT
LEGEND	UF	CHECK	KESULI

Checked & X NOT Accepted

Checked & V Accepted

N.A. Not Applicable

Punch List Y / N Produced

Date Signature Name [DD-MMM-YYYY] SUBCONTRACTOR 30/10/20 Encisia Augus CONTRACTOR COMPANY (Free)



ISO Summary List

# 22635 / 1361 Page 1

Client TECNIMONT/REPSOL

Job # **22635** 

% RT/UT

Local Portugal

Project 4274 ALBA-I007 Piping Fabrication

% PT/MT

ISO # 2121-ET40F05-4

Piping Size/Class 2-1E21

Revision 00

PED Category II

Priority 6

Assessment Inspection/Results

Spool	Weld	ىل #b	oint	Product Description	Seq. N.	Heat #	M.Certificate	FM-Dos	WPS	WeldDate/Stamp	VT	NDT-PT/MT	NDT-PT/UT	NDT-PMI/HT	NOT DN	NDT ET	Danais 4	D	
07	S25	5 E	3W	2" STRAIGHT TEE ASME B16.9 A234-WPB BE	371	111729	CE23002064_3.1_01		MW.20_BW	29/08/2023		1451111111	NDT-KT/OT	NOT-P WII/TT	ND1-FIA	ND1-F1	Repair 1	Repair 2	
		/-		2" PIPE - A106-B BE SMLS 🗸	16 🖋			PVX1312824		S71									
07	S24	4V E		2" PIPE - A106-B BE SMLSV	2	23101884	ł.	5:Vareta	MW.20_BW	29/08/2023	VT-I-013			+					†·
07	526	R IV E	N/	2" STRAIGHT TEE ASME B16.9 A234-WPB BE 2" PIPE - A106-B BE SMLS		111729	CE23002064_3.1_01			S71				ļ					
0'	320	00 [		2" 90 LR ELBOW ASME B16.9 A234-WPB BE S	339 4	/	23310545 CE23001995_3.1_01		MW.20_BW	29/08/2023	VT-I-013		RT: RT-I-0102	·					
07	S27	70 E	w.	2" 90 LR ELBOW ASME B16.9 A234-WPB BE S		73 0-7	CE23001995_3.1_01		MW.20_BW	S71 29/08/2023	VIT 1 012			ļ					4
				2" PIPE - A106-B BE SMLS /	(	23101884	23310545	PVX1312824	WW.20_DW	S71	V1-I-U13								
07	S28	8₹ E	3W	2" PIPE - A106-B BE SMLS	16 🥌	23101884	23310545	5:Vareta	MW.20_BW	29/08/2023	VT-I-013			+					+
				2x2" WN FLANGE ASME B16.5 300# A105N RF	39 🗳	B8AV0	225263	PVX1312824		S71									
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Note					Rema	rks					APPR	OVED QC		ΔΙ	PPROV	ED by C	lient		APPROVED by 3rd party or Al
BW-B	utt We	eld; FW	-Fillet	Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld									To			THE TE	CNIMC		A ==
PT-Pe	enetr	ant Te	st; M	T-Magnetic Test; RT-Radiographic Test							Name:			Xelna No	ame:	.Gome			Name: ANOWA
				MI-Positive Material Identification							Date:	25	10/20	73 D	ate:	 Wi	y n		Date: / 12014 . 1
				N-Pneumatic Test; FT-Ferrites Test							Sian.					141	1		1201101/1127
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6	Punch List	IDENTIFICATION CODE			
Tecnimont	PUNCH LIST				
		SHEET	DOC.CLASS	ISSUE	
		1/1	1	01	
MECWIDE  HANDETHINGSHALLHARE  WHITE ATTEMPT  Nerviola Industrial	ISO ID: 2121 - ET40F05 - 4				

No.	Field	Desc	Date	Completed	
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			PIPING SOP. Youguin linte	÷	
)					
		NOTES AND	REMARKS		
		DATE (dd-Mmm-YYYY)	NAME	SIGNATU	JRE
UBCONTRACT	OR				
ONTRACTOR					
OMPANY					

B = GUIDE + STOP

A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT

SUPPORT WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE

DENOTES PARTS LIST NO PIPE

LINE DATA

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

UNIT 19 SHEET PING ASSEMBLY DRAVANG 19-L-19-000-2-00-86196 sheet 6 ING SUPPORT SPECIFICATION XH-SG-00000002 E C T N XH-SL-00000002 E C T N XH-LD-21210001 VELDING SPECIFICATION ING ISOMETRIC LIST PING TYPICAL INSTALLATIONS **BILL OF MATERIALS** FABRICATION MATERIALS NS (MM) PS NO DESCRIPTION ITEM CODE PIPE 1117862 PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806) 1117862 FITTINGS STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD 2X2 I129100 <TEBA200F314151415> (L-6955) 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD 1128529 <90LA200F32STD> (L-7955). FLANGES WN FLANGE ASME B16,5 300# A105N RFFE BE 125 - 250 AARH 15355797 F01CFC44BV05 S-STD <WNFA300R352STD> (L-236). **ERECTION MATERIALS** PS NO DESCRIPTION ITEM CODE QTY. SPIRAL WOUND GASKET ASME B16,20 300# RFTBE 304/GRAFOIL CARBON 163508961 STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A) BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 153437440 I010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length VALVES / IN-LINE ITEMS GATE VALVE API 600 300# A216-WCB RFFE 8-F6&HF API 600 B7/2H 125 15606081 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FFC29B167 NREQD <G42L-130> (L-130). SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1 230 WELDED BRACKET TO STRUCT. SB35 - HEA100 5198 WELDED EXTENSIONS-EW01 DN2 = 2 L = 130 5198 STANDARD GUIDE FOR NOT INS PIPING-N1G1 5198 **CUT LIST** WELD LIST BOLT LIST LENGTH FLANGE PIECE LENGTH SIZE WELD WELD SIZE WELD BOLT SIZE NO (MM) (IN) NO CAT (IN) TYPE NO SIZE(IN) (IN) (MM) BJ01 5/8" 90 2090 S24 S25 <3> 920 BW S26 BW S27 SF03 INCH METER PIPE NS (IN) CL LENGTH (M) 5.1

ISOMETRIC NO. 4274-SP-XH-DL-2121-ET40F05-4-IS00

PIPING ISOMETRIC

CLIENT REF: REPSOL POLYMEROS

PLANT: SINES INDUSTRIAL COMPLEX

Job

4274

XHDL

2121

SPOOLING REV NO. 00 SHEET NO. 1 OF 1