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Foretaksregisteret / Vat. No. 961 816 793 MVA

TTI, Tubacex Tubos Inoxidables, S.A

Tres Cruces, 8
01400 Llodio (Alava)
Spain

Att.: Carlos Arrieta

Your ref.: QTR No.3 Our ref.: 5.3

Sandnes, 02. May 2017.

Subject: Norsok M650 Ed.4 Qualification.

Scandinavian Fittings & Flanges AS, SFF, hereby confirm that we have reviewed the revised QTR 3 for re-qualification of Tubacex to Ed. 4 of Norsok M-650 for seamless pipes in the material grade UNS S31254.

The M-650 standard specifies that the qualification shall be performed by a Qualifying Company. As a purchaser SFF is defined as Qualifying Company. The policy of SFF is to include Company (Oil Company) in the qualification process.

For this qualification Statoil is acting as Company and Tubacex is listed in their internal manufacturer database of qualified and accepted manufacturers. This applies for the below QTR dossier.

- Tubacex QTR no. 3 rev. 6, Seamless Pipes UNS S31254.






The QTR has been accepted by SFF. The QTR is currently under final review by Statoil. Based upon this the validity of the QTR is extended to the 31th of May 2017.

Sincerely,

Jarle Pollestad

Technical Director



	QTR Qualification Test Record NORSOK M-650 REV. 4					QTR. No.: 3
						Rev. No.: 5
Manufacturer name/address/ Web page:	TTI Tubacex Tubos Inoxidables, S.A. Tres Cruces, 8 01400 Llodio (Alava) Spain www.tubacex.com					
Reference standard	ASTM A312 ASTM A269					
Material designation and MDS No.:	SEAMLESS PIPES MDS R11 REV. 4 TUBES UNS S 31254 MDS R18 REV. 4					
Manufacturing summary doc. No.:	1. MS 31254 HF1 2. MS 31254 HF2 3. MS 31254 CF3					Rev. No.: 2 2 2
Products and manufacturing process(es):	1. SEAMLESS PIPES AND TUBES HOT FINISHED DIRECT WATER QUENCHING 2. SEAMLESS PIPES AND TUBES HOT FINISHED, HEAT TREATMENT IN CONTINUOUS FURNACE. 3. SEAMLESS PIPES AND TUBES COLD FINISHED, HEAT TREATMENT IN CONTINUOUS FURNACE.					
Mandatory conditions and sub-contractors:	Acería de Alava, S.A. (Sister Company to TTI Tubacex Tubos Inoxidables, S.A.) is the main supplier of raw material. Extruded hollows from Schoeller Bleckmann Edelstahlrohr GmbH can also be used as raw material for cold rolling.					
Other information:	Issued for approval renewal. Verification of heat treatment as per instruction TX-INOX-42. Heat treatment of duplex pipes for Goliat project witnessed by SFF: <ul style="list-style-type: none"> • Furnace #3 (report VHT-001) • Furnace #1 (report VHT-002) Direct water quenching (report VHT-003)					
Expiry date:	November 2016					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested Thickness (mm)	Test dates	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
1	1-31254	18,26	8/3/2006	22,83	NA	NA
2	2-31254	10,97	8/3/2006	13,71	NA	NA
3	3-31254	8,74	8/3/2006	10,93	NA	NA
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date:  Carlos Arrieta Nov. 2011		Checked by/Date:  Andoni Jugo Nov. 2011			
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.						
Qualified/Accepted by (company name/address):				Signature/Date:		
				 30.11.2011		