PMSTPCOL PEmails

From: Tekia Govan
Sent: Wednesday, February 25, 2009 11:52 AM
To: STPCOL
Subject: FW: Code Pages
Attachments: Section III Appendix I 1989 - SA 403 WP316L (2).pdf

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From: Tekia Govan
Sent: Wednesday, February 25, 2009 11:51 AM
To: Neil Ray
Cc: Steven Downey
Subject: FW: Code Pages

Neil,

In preparation for our call this afternoon, attached are two pages of the ASME code referenced in RAI 2052. The applicant believes that the information described in the RAI as missing is indeed a part of the code and have highlighted the relevant information.

This will be brought up during the call today, so this information is provided as a heads-up.

Tekia

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From: Tomkins, James [mailto:jetomkins@STPEGS.COM]
Sent: Wednesday, February 25, 2009 11:30 AM
To: Tekia Govan
Subject: Code Pages

Here are the relevant pages from the code for Question 2052.

Hearing Identifier: SouthTexas34Public_EX
Email Number: 1028

Mail Envelope Properties (83F82891AF9D774FBBB39974B6CB134F7EC09D3D6D)

Subject: FW: Code Pages
Sent Date: 2/25/2009 11:51:37 AM
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From: Tekia Govan

Created By: Tekia.Govan@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None

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MESSAGE	1192	2/25/2009 11:51:39 AM
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Options
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Reply Requested: No
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TABLE I-1.2 (CONT'D)
DESIGN STRESS INTENSITY VALUES S_m FOR AUSTENITIC STEELS, HIGH NICKEL ALLOYS, AND COPPER-NICKEL ALLOYS

Nominal Composition	P-No.	Gr. No.	Product Form [Note (1)]	Spec. No.	Type or Grade	Class	Notes
High Alloy Steels (Cont'd)							
Type 316 Stainless Steels							
16Cr-12Ni-2Mo	8	1	Forg.	SA-182	F316L	. . .	(2) (15) (22)
16Cr-12Ni-2Mo	8	1	Forg.	SA-182	F316L	. . .	(2) (9) (15)
16Cr-12Ni-2Mo	8	1	Smls. Tube	SA-213	TP316L	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Plate	SA-240	316L	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Wld. Tube	SA-249	TP316L	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Wld. & Smls. Pipe	SA-312	TP316L	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Wld. Pipe	SA-358	316L	1	(2) (15)
16Cr-12Ni-2Mo	8	1	Fitting	SA-403	WP316L	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Wld. Fitting	SA-403	WP316LW	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Bar	SA-479	316L	. . .	(2)
16Cr-12Ni-2Mo	8	1	Wld. Tube	SA-688	TP316L	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Wld. Pipe	SA-813	TP316L	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Wld. Pipe	SA-814	TP316L	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Forging	SA-182	F316LN	. . .	(2) (15) (22)
16Cr-12Ni-2Mo-N	8	1	Forging	SA-336	. . .	F316LN	(2) (15)
16Cr-12Ni-2Mo	8	1	Forg.	SA-182	F316 & F316H	. . .	(2) (15) (22)
16Cr-12Ni-2Mo	8	1	Forg.	SA-336	. . .	F316 & F316H	(2) (15)
16Cr-12Ni-2Mo	8	1	Forg. Pipe	SA-430	FP316 & FP316H	. . .	(2) (15)
16Cr-12Ni-2Mo	8	1	Casting	SA-351	CF3M	. . .	(2)
16Cr-12Ni-2Mo	8	1	Casting	SA-351	CF8M	. . .	(2)
16Cr-12Ni-2Mo	8	1	Cast Pipe	SA-451	CPF3M	. . .	(2)
16Cr-12Ni-2Mo	8	1	Cast Pipe	SA-451	CPF8M	. . .	(2)
16Cr-12Ni-2Mo-N	8	1	Forging	SA-182	F316LN	. . .	(2) (9) (15)
16Cr-12Ni-2Mo-N	8	1	Smls. Tube	SA-213	TP316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Plate	SA-240	316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Wld. Tube	SA-249	TP316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Wld. & Smls. Pipe	SA-312	TP316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Wld. Pipe	SA-358	316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Smls. Pipe	SA-376	TP316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Fitting	SA-403	WP316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Wld. Fitting	SA-403	WP316LNW	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Bar	SA-479	316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Wld. Tube	SA-688	TP316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Wld. Pipe	SA-813	TP316LN	. . .	(2) (15)
16Cr-12Ni-2Mo-N	8	1	Wld. Pipe	SA-814	TP316LN	. . .	(2) (15)

TABLE I-1.2 (CONT'D)
DESIGN STRESS INTENSITY VALUES S_m FOR AUSTENITIC STEELS, HIGH NICKEL ALLOYS, AND COPPER-NICKEL ALLOYS

Min. Yield Strength, ksi	Min. Ult. Tensile Strength, ksi	Stress Intensity, ksi, for Metal Temp., °F, Not Exceeding									
		100	200	300	400	500	600	650	700	750	800
									High Alloy Steels (Cont'd) Type 316 Stainless Steels		
25	65	16.7	16.7	16.7	15.5	14.4	13.5	13.2	12.9	12.6	12.4
25	70	16.7	16.7	16.7	15.5	14.4	13.5	13.2	12.9	12.6	12.4
30	70	20.0	20.0	20.0	18.9	17.5	16.5	16.0	15.6	15.2	14.9
30	70	20.0	20.0	20.0	19.3	18.0	17.0	16.7	16.3	16.1	15.9
						17.2	17.1	1962 code			
30	75	20.0	20.0	20.0	18.9	17.5	16.5	16.0	15.6	15.2	14.9