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Ref. # NRCB 88-05, Suppl. 2

TU ELECTRIC

January 8, 1993

William J. Cahill, Jr.
Group Vice President

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNIT 2
DOCKET NO. 50-446
REQUEST FOR ADDITIONAL INFORMATION -
NRC BULLETIN 88-05 AND SUPPLEMENTS 1 AND 2:
NONCONFORMING MATERIALS SUPPLIED BY PIPING SUPPLIES, INC.
AT FOLSOM, NEW JERSEY AND WEST JERSEY MANUFACTURING CO.
AT WILLIAMSTOWN, NEW JERSEY

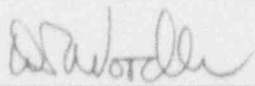
REF: TU Electric letter from William J. Cahill, Jr. to the
USNRC dated December 22, 1992, logged TXX-92631

Gentlemen:

The referenced letter provided information based on the results of location, identification and testing of WJM/PSI flanges installed in Unit 2 safety related systems. Based on the review of the referenced letter, the NRC requested additional information pertaining to the low hardness flanges (Table 1 of the attachment). The attachment to this letter provides that additional information.

Sincerely,

William J. Cahill, Jr.

By: 

D. R. Woodlan
Docket Licensing Manager

MCP/grp
Attachment

c - Mr. J. L. Milhoan, Region IV
Resident Inspectors, CPSES (2)
Mr. B. E. Holian, NRR

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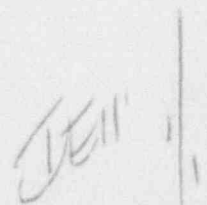


TABLE 1

IEB 88-05 RAI QUESTION 2 FOR LOW HARDNESS WJM/PSI FLANGES

Identifier	Flange/ Material Type	Code Class	Heat No.	Insitu Hardness	Converted UTS	Design P/T	Reduction in Allowable	Worst Case Calculated/ Allowable	Mfg/Supplier
AF-2-SB-63A-3Q3 PC #11	4" 1500# RPN SA-105	2	86861	125.5	71127	1800/150	13% (61/70=87%)	0.05 (F)	WJM/GRYON ALLOYS
AF-2-SB-63A-4Q3 PC #11	4" 1500# RPN SA-105	2	86861	128.5	72399	1800/150	11% (62.5/70=89%)	0.05 (U)	WJM/GRYON ALLOYS
AF-2-SB-55B-2Q3 PC #14	4" 1500# RPN SA-105	3	86861	130.5	73141	1800/150	9.6% (63.25/70=90.4%)	0.046 (U)	WJM/GRYON ALLOYS
FW-2-SB-27-3Q2 PC #21	3" 1500# RPN SA-350 LF2	2	B3281	117	67629	1800/500	19% (57/70=81%)	0.060 (F)	WJM/GRYON ALLOYS
FW-2-SB-25-3Q2 PC #21	3" 1500# RPN SA-350 LF2	2	B3281	126	71233	1800/500	13% (61.5/70=87%)	0.058 (U)	WJM/GRYON ALLOYS
FW-2-SB-25-2Q2 PC #21	3" 1500# RPN SA-350 LF2	2	B3281	130	72744	1800/500	10% (63/70=90%)	0.060 (U)	WJM/GRYON ALLOYS
FW-2-SB-27-2Q2 PC #21	3" 1500# RPN SA-350 LF2	2	B3281	130	72823	1800/500	10% (63/70=90%)	0.067 (F)	WJM/GRYON ALLOYS
FW-2-SB-26-3Q2 PC #21	3" 1500# RPN SA-350 LF2	2	B3281	130	72929	1800/500	10% (63/70=90%)	0.048 (N)	WJM/GRYON ALLOYS
FW-2-SB-28-3Q2 PC #15	3" 1500# RPN SA-350 LF2	2	B3281	138	76189	1800/500	5% (66.5/70=95%)	0.072 (F)	WJM/GRYON ALLOYS
FW-2-SB-28A-2Q2 PC #15	3" 1500# RPN SA-350 LF2	2	B3281	142	77434	1800/500	3% (68.3/70=97%)	0.074 (F)	WJM/GRYON ALLOYS
FW-2-SB-26-2Q2 PC #21	3" 1500# RPN SA-350 LF2	2	B3281	144	78388	1800/500	2% (69/70=98%)	0.054 (N)	WJM/GRYON ALLOYS
SW-2-DG-01 ITT-3 FLG #4	10" 150# RPN SA-105	2	BD	127	71816	150/170	11.5% (62/70=88.5%)	0.157 (U)	WJM/GRUNFEL

TABLE 1

TEB 88-05 RAI QUESTION 2 FOR LOW HARDNESS WJM/ESI FLANGES

Identifier	Flange/ Material Type	Code Class	Heat No.	Insitu Hardness	Converted UTS	Design P/T	Reduction in Allowable	Worst Case Calculated/ Allowable	Mfg/Supplier
SW-2-DG-04 ITT-3 FLG #7	10" 150# RFWN SA-105	2	DD	130.5	73247	150/170	9.6% (63.3/70-90.4%)	0.123 (F)	WJM/GRINNELL
CP2-MEATAR-03 N-4	1" 300# 1/16 RFSO SA-105	3	J69D	128	72214	300/150	11% (62.3/70-89%)	0.013	WJM/RES INDUSTRIES
CP2-MEATAR-02 N-2	1.5" 300# 1/16 RFSO SA-105	3	M551701	126	71339	300/150	13% (61.5/70-87%)	0.017 (U)	WJM/RES INDUSTRIES
CP2-MEATAR-03 N-2	1.5" 300# 1/16 RFSO SA-105	3	M551701	126	71339	300/150	12.1% (61.5/70-87.9%)	0.017 (U)	WJM/RES INDUSTRIES
CP2-MEATAR-02 N-3	1.5" 300# 1/16 RFSO SA-105	3	M551701	127	71869	300/150	12% (62/70-88%)	0.125 (N)	WJM/RES INDUSTRIES
CP2-MEATAR-01 N-2	1.5" 300# 1/16 RFSO SA-105	3	M551701	136	75314	300/150	13% (61/70-87%)	0.017 (U)	WJM/RES INDUSTRIES
SW-2-DG-01 ITT-4 FLG #6	10" 150# RFWN SA-105	2	T1404G	121	69166	150/170	15.7% (59/70-84.3%)	0.157 (U)	WJM/GRINNELL
SW-2-DG-01 ITT-4 FLG #8	10" 150# RFWN SA-105	2	T1404G	122	71631	150/170	11.4% (62/70-88.6%)	0.157 (U)	WJM/GRINNELL
SW-2-DG-01 ITT-2 FLG #04	10" 150# RFWN SA-105	2	T1404G	133	74095	150/170	9% (64/70-91.4%)	0.157 (U)	WJM/GRINNELL
SW-2-DG-01 ITT-2 FLG #10	10" 150# RFWN SA-105	2	T1404G	134	74281	150/170	9% (64/70-91.4%)	0.157 (U)	WJM/GRINNELL