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PARRISH, J.V. Washington Public Power Supply System
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SUBJECT: Responds to Rev 1, Suppl 1 of GL 92-01, "RV Structural Integrity."

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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August 16, 1995
G02-95-153

Docket No. 50-397

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Gentlemen:

Subject: **WNP-2, OPERATING LICENSE NPF-21
RESPONSE TO REVISION 1, SUPPLEMENT 1,
OF GENERIC LETTER GL 92-01, "REACTOR
VESSEL STRUCTURAL INTEGRITY"**

- References:
- 1) Letter GI2-95-120, dated May 19, 1995, RP Zimmerman (NRC) to All Licensees, "NRC Generic Letter 92-01, Revision 1, Supplement 1, Reactor Vessel Structural Integrity"
 - 2) Letter G02-94-180, dated July 28, 1994, JV Parrish (SS) to US NRC, "Response to Request For Additional Information For Generic Letter 92-01, Revision 1, 'Reactor Vessel Structural Integrity' "

This letter responds to the Reference 1 request for a description of actions taken or planned to locate all data relevant to the determination of Reactor Pressure Vessel (RPV) integrity, or an explanation of why the existing data base is considered complete. The Reference 1 request resulted from staff concern that all data necessary for evaluation of RPV integrity might not be available to licensees, since the original holders of such data were NSSS suppliers and RPV fabricators.

The Supply System has completed a review of the fabrication documents for WNP-2's RPV beltline materials to re-check the chemical and mechanical properties of the beltline weld and base material. Minor corrections to chemistry data for beltline plates and as-deposited weld metal were made, as summarized in the attached tables. Changes are identified by bold-face type.

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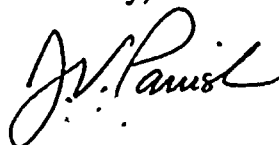
Page 2 5

**RESPONSE TO REVISION 1, SUPPLEMENT 1, OF GENERIC LETTER
GL 92-01, "REACTOR VESSEL STRUCTURAL INTEGRITY"**

Some discrepancies affecting information transmitted by Reference 2 were identified in the initial mechanical property data provided by the NSSS supplier. The discrepancies have been reviewed, and determined to have no impact on the pressure-temperature limit curves and predicted end-of-life RT_{NDT} shifts because they do not pertain to properties of the limiting RPV material, heat number C1272-1. Therefore, there is no decrease in the margin of safety provided in the pressure-temperature limit curves as developed using Regulatory Guide 1.99 Rev. 2. However, the Beltline Materials RT_{NDT} Summary table and the NRC summary files for Upper Shelf Energy and Pressure-Temperature Limits, previously submitted by Reference 2, will be corrected and resubmitted with our final response to Reference 1, due by November 17, 1995.

Should you have any questions or desire additional information regarding this matter, please call me or D. A. Swank at (509) 377-4563.

Sincerely,



J. V. Parrish (Mail Drop 1023)
Vice President, Nuclear Operations

CJF/ml
Attachment


cc: LJ Callan - NRC RIV
KE Perkins, Jr. - NRC RIV, Walnut Creek Field Office
NS Reynolds - Winston & Strawn
JW Clifford - NRC
DL Williams - BPA/399
NRC Sr. Resident Inspector - 927N

STATE OF WASHINGTON)
)
COUNTY OF BENTON)

Subject: Response to Rev. 1, Suppl. 1
of Generic Letter 92-01

I, J. V. PARRISH, being duly sworn, subscribe to and say that I am the Vice President, Nuclear Operations for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that I have the full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information, and belief the statements made in it are true.

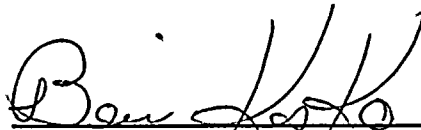
DATE 8/16, 1995



J. V. Parrish, Vice President
Nuclear Operations

On this date personally appeared before me J. V. PARRISH, to me known to be the individual who executed the foregoing instrument, and acknowledged that he signed the same as his free act and deed for the uses and purposes herein mentioned.

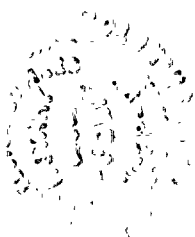
GIVEN under my hand and seal this 16 day of August 1995.

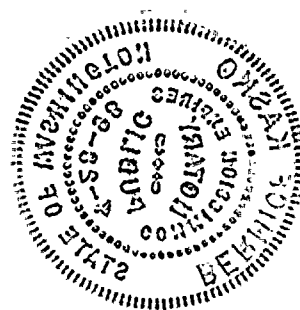


Notary Public in and for the
STATE OF WASHINGTON

Residing at Kennewick, WA

My Commission Expires 4/28/98





WNP-2

VESSEL BELTLINE WELD MATERIAL CHEMISTRY
(as deposited)

Weld Heat Number	Cu	C	Mn	Si	S	Ni	Mo	V	P	Process
492L4871	.03	.07	1.17	.32	.02	.98	.51	.02	.02	M
5P6756	.08	.063	1.27	.57	.011	.93	.45	.006	.01	S
5P6756	.09	.078	1.24	.53	.012	.92	.46	.006	.01	T
3P4955	.025	.035	1.33	.56	.011	.90	.52	.006	.016	T
3P4955	.023	.054	1.28	.55	.010	.95	.54	.007	.016	S
04T931	.03	.05	1.03	.28	.024	1.00	.53	.01	.02	M
04P046	.06	.044	1.04	.40	.021	.90	.58	.02	.009	M
07L669	.03	.05	1.24	.48	.016	1.02	.54	-	.014	M
3P4966	.03	.074	1.38	.36	.013	.88	.49	.006	.010	T
3P4966	.03	.067	1.39	.38	.014	.90	.53	.008	.011	S
C3L46C	.02	.063	.96	.32	.017	.87	.53	-	.019	M
08M365	.02	.057	1.23	.47	.023	1.10	.57	-	.02	M
09L853	.03	.052	1.23	.46	.023	.86	.51	-	.018	M
05P018	.09	.057	1.21	.44	.021	.90	.53	.01	.008	M
624063	.03	.041	1.12	.41	.018	1.00	.54	.01	.009	M
624039	.07	.060	1.11	.45	.025	1.01	.57	.02	.015	M
624039	.10	.041	1.12	.45	.02	0.92	.53	.01	.01	M

S = Single Wire Process
T = Tandem Wire Process
M = Manual

WNP-2

VESSEL BELTLINE PLATE MATERIAL CHEMISTRY

<u>Plate</u>	<u>P</u>	<u>Cu</u>	<u>C</u>	<u>Mn</u>	<u>Si</u>	<u>S</u>	<u>Ni</u>	<u>Mo</u>	<u>V</u>
C1272-1	.013	.15	.23	1.31	.26	.02	.60	.55	-
C1272-2	.013	.15	.23	1.31	.26	.02	.60	.55	-
C1273-1	.014	.14	.23	1.28	.23	.018	.60	.57	-
C1273-2	.014	.14	.23	1.28	.23	.018	.60	.57	-
B5301-1	.017	.14	.20	1.34	.23	.014	.50	.52	-
C1336-1	.017	.13	.21	1.36	.22	.013	.50	.49	-
C1337-1	.018	.15	.22	1.32	.21	.013	.51	.50	-
C1337-2	.018	.15	.22	1.32	.21	.013	.51	.50	-

