

B 04/20/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-397

REC: VARGA S A
NRC

ORG: RENBERGER D L
WA PUB PWR SUPPLY SYS

DOCDATE: 06/26/78
DATE RCVD: 06/28/78

DOCTYPE: LETTER NOTARIZED: YES
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 40

FORWARDING RESPONSE TO NRC LTR DTD 03/06/78 REQUESTING INFO DOCUMENTING
APPLICANT'S CONFORMANCE WITH POSITIONS STATED IN NUREG-0313, "TECH REPT ON
MATERIAL SELECTION AND PROCESSING GUIDELINES FOR BWR COOLANT PRESSURE
BOUNDARY PIPING"... NOTARIZED 06/23/78

PLANT NAME: WPPSS - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: *W*

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

AUSTENITIC STAINLESS STEEL IN BWR
(DISTRIBUTION CODE B012)

FOR ACTION: ASST DIR VASSALLO**W/ENCL
LIC ASST LWR#4 LA**W/ENCL

BR CHIEF LWR#4 BC**W/ENCL

INTERNAL: REG FILE**W/ENCL
I & E**W/2 ENCL
DIRECTOR DPM**W/ENCL
F WILLIAMS**W/ENCL
DIRECTOR DSS**W/ENCL
MATERIAL ENG BR**W/ENCL
L CROCKER**W/ENCL

NRC PDR**W/ENCL
OELD**W/ENCL
DEPUTY DIR DPM**W/ENCL
H SMITH**W/ENCL
AD FOR ENG**W/ENCL
H CONRAD**W/ENCL
AD FOR ENGR & PROJ**W/ENCL

EXTERNAL: LPDR'S
RICHLAND, WA**W/ENCL
TIC**W/ENCL
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

THrusc 4

DISTRIBUTION: LTR 37 ENCL 37
SIZE: 1P+3P+1P

CONTROL NBR: 781800003

***** THE END *****

*** MASTER ROSTER ***
*** PUBLICATIONS ***

VISION	ST..ZIP	DISTRIBUTION	CODES	1	17
ILE		DISTRIBUTION	QTY	1	17
TY		DISTRIBUTION	CODES	18	34
RP. TYPE		DISTRIBUTION	QTY	18	34
		DISTRIBUTION	CODES	35	50
		DISTRIBUTION	QTY	35	50

MNA DACCA	BNGLDESH	SN	SR	SE	SM	SP	ST	SO	SG
		1	1	1	1	1	1	1	1

RIZONTE 30000	BRAZIL	SN	SR	SF
		1	1	1

BRARIAN	RIZONTE 30000	BRAZIL	SN	SR	SF	SM	SP	ST	SO	SA	SG
			1	1	1	1	1	1	1	1	1

MEIRA SAO PAULO	BRAZIL	SN	SR	SF	SE	SM	SP	ST	SO	SA	SG
		1	1	1	1	1	1	1	1	1	1

NENSEG	EFE CENTRO PESQULAS TECNICAS	O DE JANEIRO	BRAZIL	SN	SR	SF	SE	SM	SP	ST	SG
				1	1	1	1	1	1	1	1

ENVOLVIMENTO	O DE JANEIRO 20000	BRAZIL	SN	SR	SF	SE	SM	SP	ST	SO	SA	SG
			1	1	1	1	1	1	1	1	1	1

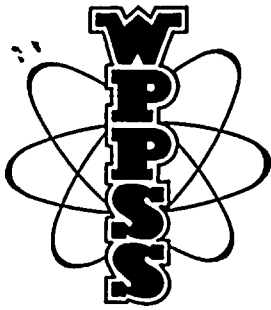
O DE JANEIRO 20000	BRAZIL	SN	SR	SF	SE	SM	SP	ST	SO	SG
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EF OF CABINET	AFOGO-GUANABARA	BRAZIL	SN	SR	SF	SE	SM	SP	ST	SO	SA	SG
			1	1	1	1	1	1	1	1	1	1

DE JANEIRO	BRAZIL	SN	SM	SG
		1	1	1

OO B HORIZONTE	BRAZIL	SN	SR	SF	SE	SM
		1	1	1	1	1

OO B HORIZONTE	BRAZIL	SN	SF	SE	SM
		1	1	1	1



Washington Public Power Supply System
A JOINT OPERATING AGENCY

P. O. Box 968 3000 GEO. WASHINGTON WAY RICHLAND, WASHINGTON 99352 PHONE (509) 946-1611

Docket No. 50-397

G02-78-164
June 26, 1978

Mr. S. A. Varga, Chief
Light Water Reactor Branch No. 4
Division of Project Management
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SERVICES

1978 JUN 26 11 31

REGISTRATION

Subject: WPPSS NUCLEAR PROJECT NO. 2
USE OF AUSTENITIC STAINLESS STEEL

- Reference: 1) Letter, GI2-78-108, SA Varga to NO Strand,
same subject, dated March 6, 1978
2) Letter, G02-78-106, DL Renberger to SA Varga,
same subject, dated March 27, 1978

Dear Mr. Varga:

Your reference (1) requested information documenting our conformance with positions stated in NUREG-0313, "Technical Report on Material Selection and Processing Guidelines for BWR Coolant Pressure Boundary Piping". Accordingly, forty copies of the requested information is provided as attachment I for your review and use. This satisfies our commitment to you made in reference (2).

Very truly yours,

D L Renberger

D. L. RENBERGER
Assistant Director
Generation and Technology

DLR:DCT/OKE:cph

Attachment: As stated

cc: I. Littman, WPPSS - NY
J. Ellwanger, B&R
E. Chang, GE
FA MacLean, GE
JJ Verderber, B&R
D. Roe, BPA

REGULATORY DOCKET FILE COPY

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Conformance of WNP-2 to
Positions in NUREG-0313

WNP-2 austenitic stainless steel pipe and fittings (Type 304) to which NUREG-0313 applies consist of the following:

- o the reactor recirculation (RRC) system loops;
- o the residual heat removal (RHR) system shutdown cooling suction and return lines from the RRC system loops to the inner containment isolation valve or check valves, and
- o the RRC to reactor water cleanup system interties.

Conformance to Parts II and III of NUREG-0313 is as follows:

Part II.1 Pipe and fittings conforming to the corrosion resistant guidelines in this part are the twelve (12) inch RRC return lines and the RRC bypass stubs. These components as-installed, with the exception of field welds, are in the solution annealed condition.

Part II.2 Field welds associated with the return lines and the stubs referred to above included corrosion resistant cladding, 308 material with a maximum carbon content of 0.028% and a minimum ferrite content of 8%, and standard 308 weld filler metal with a minimum of 8% ferrite. The weld preparation after cladding allowed only the cladding material to form the weld on the interior diameter, i.e., no material which may have become sensitized by the field weld and comes in contact with the reactor coolant has a carbon content greater than 0.028%.

Part III.1 See Parts II.1 and II.2 above for piping which conforms to Part II. The nonconforming RRC system piping is already installed. The nonconforming RHR system piping is presently being installed and scheduled for completion in September, 1978. As can be seen, WNP-2 conforms to Part II of NUREG-0313 to the extent practicable when considering schedule and the status of plant construction.

- Part III.2.A (1) The nonconforming, not servicesensitive, lines will be initially examined in accordance with ASME Section XI, Subsection IWB, at not more than 80 months after beginning commercial operation. The lines affected by this time interval are the RRC loops, excluding the twelve (12) inch return lines which conform to Parts II.1 and II.2.
- Part III.2.A (2) The reactor coolant leakage detection system is described in the FSAR in Sections 5.2.5 and 7.6.1.4.
- Part III.2.A (2a) The compliance with Reg. Guide 1.45 is discussed in Appendix C-2, pp C.2-39 through C.2-41 of the FSAR.
- Part III.2.A (2b) WNP-2 currently plans to comply with the BWR 5 Standard Technical Specification in this area as documented in NUREG-0123, Rev. 1, April 1, 1978, if practicable. These specifications reflect compliance with the position.
- Part III.2.A (2c) WNP-2 concurs with the definition of unidentified leakage. With respect to this and the current Rev. 1 of NUREG-0123, it should be noted that the drywell floor drain flow monitoring system does collect leakage from the drywell diaphragm floor seals. This leakage is not expected to be significant, however, and thus the floor drain system meets the intent of being the Primary Containment air cooler condensate flow rate monitoring system as stated in NUREG-0123.
- Part III.2.B The nonconforming, service sensitive, lines will be examined on a sampling basis (WNP-2 does not have RRC bypass lines) for three successive inspections, not exceeding the time duration between each of the first three refueling outages. Other convenient plant shutdowns may be used during this period for one or more of the examinations. The lines affected by this inspection interval are the austenitic stainless steel RHR shutdown cooling suction and return lines and the stagnated, short pipe spools that are associated with the RRC loops.

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The reactor core spray piping is carbon steel and the RRC bypass stubs, as previously discussed, conform to Part II and therefore are not subject to this part. In the event no unacceptable indications are found in the three successive inspections for the service sensitive lines, the inspection interval shall revert to an 80 month period.

STATE OF WASHINGTON)
COUNTY OF BENTON) SS

D. L. RENBERGER, Being first duly sworn, deposes and says: That he is the Assistant Director, Generation and Technology, for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that he is authorized to submit the foregoing on behalf of said applicant; that he has read the foregoing and knows the contents thereof; and believes the same to be true to the best of his knowledge.

DATED June 23, 1978

D. L. Renberger
D. L. RENBERGER

On this day personally appeared before me D. L. RENBERGER 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 therein mentioned.

GIVEN under my hand and seal this 23 day of June, 1978.

Robert S. Dyer
Notary Public in and for the State of
Washington
Residing at Kennecott



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