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ACCESSION NBR: 8201250353 DDCI DATE: 82/01/06 NOTARIZED: NO DOCKET #:  
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 AUTH. NAME: AUTHOR: AFFILIATION:  
 BOUCHER, G.D. Washington Public Power Supply System  
 RECIPIENT NAME: RECIPIENT AFFILIATION:  
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Forwards revised responses for responses to two Matls  
 Engineering Branch questions.

DISTRIBUTION CODE: 30015 COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 111111  
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES: 2 copies all matls PM.

05000397

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## Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

January 6, 1982  
G02-82-04  
SS-L-02-CDT-82-002

Docket No. 50-397

Mr. A. Schwencer, Director  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2  
CHANGED RESPONSES TO MATERIALS  
ENGINEERING BRANCH QUESTIONS

Reference: Letter G02-81-532, GD Bouchey to A Schwencer,  
"Appendix G and H Information Responses to  
Materials Engineering Branch - Component  
Integrity Section", dated December 18, 1981

Enclosed are sixty (60) copies of revised responses for two (2) Materials Engineering Branch questions. These two questions were submitted to the NRC by the reference letter; however, they were found by the Supply System to be incomplete. These responses will appear in the WNP-2 FSAR in a future amendment.

Very truly yours,

*GD Bouchey*

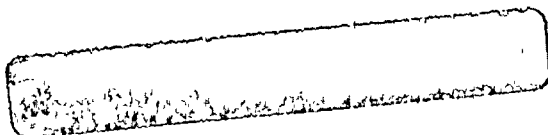
G. D. Bouchey  
Deputy Director, Safety and Security

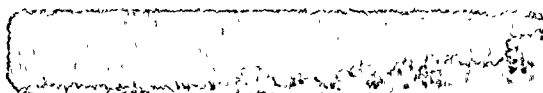
CDT/jca  
Enclosures

cc: R Auluck - NRC  
WS Chin - BPA  
R Feil - NRC Site



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WNP-2

REFERENCE:

1. Letter G02-81-532, G. D. Bouchey to A. Schwencer,  
"Appendix G and H Information, Responses to Materials  
Engineering Branch - Component Integrity Section",  
dated December 18, 1981.



WNP-2

Q. 121.011

Provide data to justify that the value of  $-50^{\circ}\text{F}$  used to estimate the nil ductility temperature for the beltline welds was obtained from test samples that represent the beltline welds in the WNP-2 reactor pressure vessel. This information should include a comparison of the significant weld parameters (e.g., weld type, flux, thermal treatment) and mechanical properties from both the sample and beltline welds.

Response:

This question was responded to in the Appendix G and H submittal to the NRC. (See Reference 1)





WNP-2

Q. 121.019

Indicate the inside diameter and minimum wall thickness of the reactor vessel beltline.

Response: ---

The inside diameter with clad = 251" (minimum).

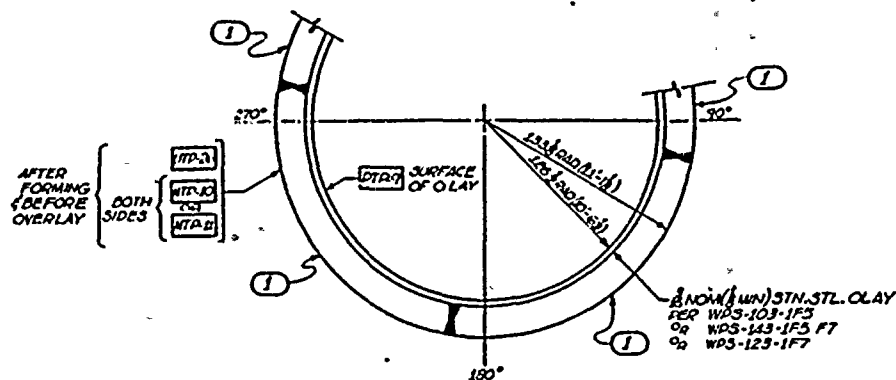
Wall thickness with clad = 6.625%.

Clad thickness = 0.1875" (nominal).  
= 0.125" (minimum).

Refer to VFP No. 3133-31, which is included in the Appendix G and H submittal (see Reference 1 to Question 121.011).\*

\*Attached.





PARTIAL PLAN

REV	DATE	DESCRIPTION	BY	CHKD	DATE	APPD
22-A		#2 SHELL RING ASSEMBLY				
22-1	4	WDS-103-1F5 WDS-143-1F5 F7 WDS-123-1F7	17	48	11-5-71	24
22-2	2	BULBAR #2	15	7	2-2-72	24
3		WG PHR (LDC) MODE NOZZLE				
4		W12 INSTRUMENTATION NOZZLE				

### GENERAL ELECTRIC

Atomic Power Equipment Department

- ☐ Disapproved per comments. Review and resubmit for approval.
- ☐ Approved with Comments. Review and resubmit. NOTE: Seller's failure to comply with Buyer's comments constitutes disapproval and rejection of item(s) affected.
- ☐ Approved. No further action req'd.
- ☐ Approved. Submit certified copy.
- ☒ Certified by Seller and Approved by Buyer.
- ☐ Refer to EDS No. **00000002/8/78**

Approved by Buyer does not relieve Seller of its obligation to furnish all goods and services in strict conformance with all of the terms of the purchase order.

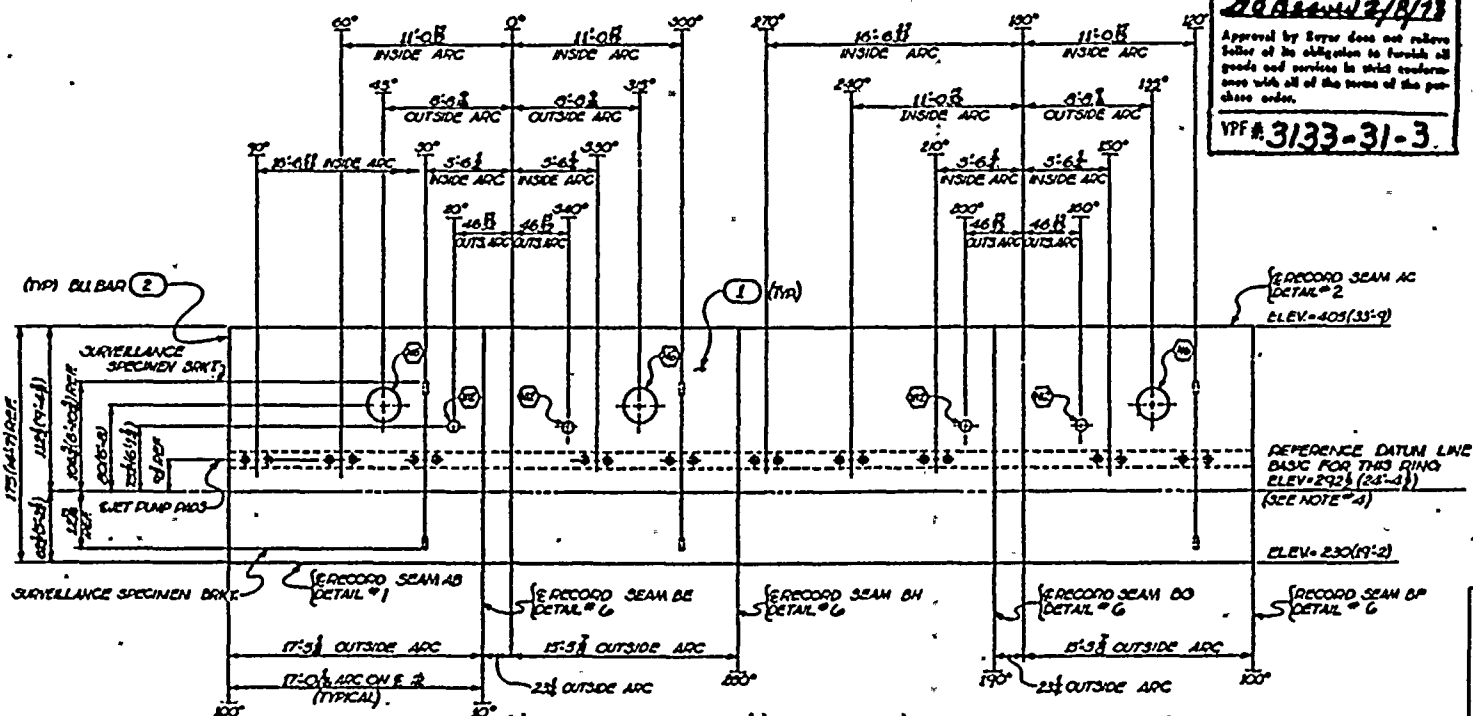
VPF # **3133-31-3**

### NOTES:

1. STOP OVERLAY 1" FROM EDGE OF GIRTH SEAMS.
2. ALL BRACKETS, NOZZLES & SHELL VERTICAL SEAMS ARE LOCATED FROM 0° ON 180° AZIMUTH.
3. OUTSIDE ARC DIMENSIONS ARE MEASURED ON 133" RAD. INSIDE ARC DIMENSIONS ARE MEASURED ON 126" RAD. ALL ARC DIMENSIONS GIVEN ARE FOR REFERENCE ONLY.
4. SHOP SCISE REFERENCE DATUM LINE ON OUTSIDE OF PLATE & ON INSIDE AFTER OVERLAY.
5. NUMBER 2 SHELL RING TO HAVE NOT TEMP OR NO HIGHER THAN 10°F; ACTUAL NOT TEMP IS TO BE DETERMINED.

F HANFORD 2

MPL # **B13-D003**



OUTSIDE VIEW OF SHELL RING  
LOCATE NOZZLE CUTOUTS AFTER FORMING

ITEM	DESCRIPTION
92	OVERLAY SPECIMEN BOX
104	ET RING ODS
82	W12 NOZZLE ASSY
67	WG NOZZLE ASSY
6	SEAM DETAILS (SHELLS)
114	CONNECTIONS (TOLERANCES)
DWG	ITEM
	REFERENCE DRAWINGS

APPROVED FOR DESIGN & FABRICATION  
BY: **[Signature]** DATE: **11-11-71**  
ISSUED BY: **[Signature]** DATE: **11-11-71**

GENERAL ELECTRIC	
#2 SHELL RING ASSEMBLY	
WDS-103-1F5	VPF # 3133-31
WDS-143-1F5 F7	72-2647
WDS-123-1F7	72-2647
WDS-103-1F5	72-2647
WDS-143-1F5 F7	72-2647
WDS-123-1F7	72-2647