

UNITED STATES

NUCLEAR REGULATORY COMMISSION REGION V

1450 MARIA LANE, SUITE 210 . WALNUT CREEK, CALIFORNIA 94596

January 30, 1991

MEMORANDUM FOR:

Docket File

Washington Public Power Supply System (WPPSS)

WPPSS Nuclear Unit No. 2 (WNP-2), Docket No. 50-397

FROM:

Thomas R. Meadows

Licensing Examiner

SUBJECT:

MEETING SUMMARY - JANUARY 25, 1991 MEETING TO DISCUSS WNP-2

RESPONSE TO NRC EOP INSPECTION TEAM ISSUES

'REFERENCES:

(a) NRC Inspection Report 50-397/90-20

(b) WPPSS Response Letter, G. Sorensen, dated

November 25, 1990

On January 24, 1991, members of the NRC staff met with representatives of WPPSS (the licensee) to discuss the issues presented in reference (a) as requested by reference (b). A list of the attendees is provided in Enclosure 1. A copy of the licensee's initial corrective action analysis summary, presented at this meeting, is provided in Enclosure 2.

The licensee stated that the three deviations from the BWROG EPGs, of concern:

- Primary Containment Venting

- Steam Cooling Termination, and

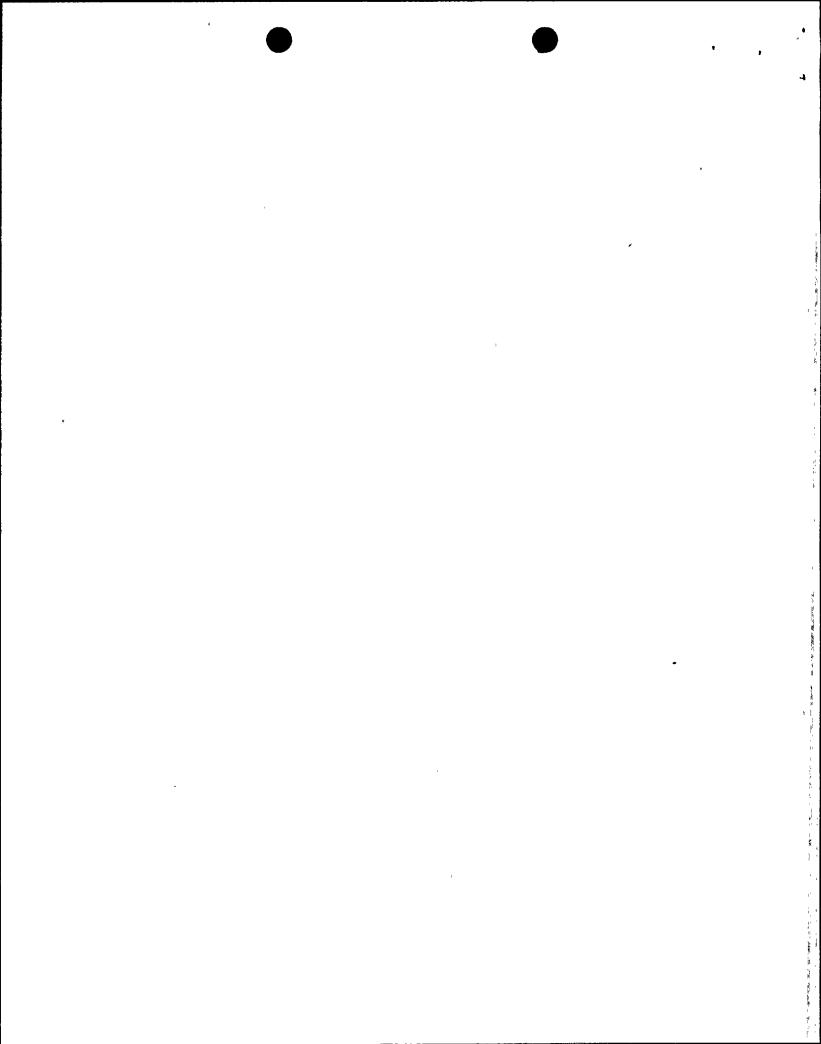
- Primary Containment Flooding

were referred to NRR for guidance. The NRC staff (NRC) acknowledged that that these deviations were designated as open items, and were assigned to the Division of Systems Technology, Reactor Systems and Plant Systems Branches, NRR (TAC 77486). These items remain open.

The licensee stated that the resolution of Open Item 90-20-05 (Implementation of EOP Caution 1 - RPV Level Instrumentation) involves the completion of their situation based evaluation of the credible events (fire and unisolated high energy line break in the reactor building), that would require RPV level instrumentation to be considered inoperable. The licensee stated that the evaluation and corresponding procedural development activities are expected to be completed by March 1991. The licensee also stated that EOP Caution 1 will be updated accordingly, and committed to forward the details of this effort to the NRC by March 1991. This item remains open.

The licensee stated that the EOP graph errors (Open Item 90-20-06, Calculational Errors in EOP Graphs) were corrected. An LER (90-019) was issued with a root cause evaluation and supplemental review of all graphed information. The licensee stated that the cause of this event was personnel error during the procedure revision process. The licensee committed to correcting their revision process encompassing the writers guide, the process for calculation incorporation into technical basis documents, and EOP verification and validation, in order to prevent a recurring event. The licensee stated that an expanded report of follow-up corrective actions, based on their current review of all EOP calculations will be forwarded via a revised LER by the end of January 1991. This item remains open.

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The licensee addressed the remaining issues, primarily Open Item 90-20-04 (Development and Verification and Validation of EOP's and EOP support procedures), in an analysis summary (Enclosure 2), which details their initial position on these issues. The licensee clarified that the Completion Status Code 3, "Will Not Be Implemented," meant that these items were not of immediate concern, in that they had minor safety significance, had little effect on adequate procedure quidance, or were not valid. Furthermore, the licensee stated that all of these issues will be reevaluated during their scheduled revalidation of the entire population of EOPs, Emergency Support Procedures, and associated flow charts. This effort would begin after the hiring of a Human Factors Engineer, and a review of the EOP writers guide and associated changes to the EOPs by this individual. The licensee stated that a detailed completion schedule (supplementing Enclosure 2) will be forwarded based on this review, by the end of April 1991. After a detailed review, the NRC personnel present agreed that Completion Status Code 3 items were properly classified, and stressed the necessity for the licensee to complete the commitment for an expanded action plan.

The NRC stressed that timely resolution to all of these issues is expected. The licensee acknowledged this concern.

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Thomas R. Meadows Licensing Examiner

Enclosures: As Stated

cc w/enclosures: See Attached List Docket File

C. Sorensen, SRI

K. Perkins, RV

R. Zimmerman, RV

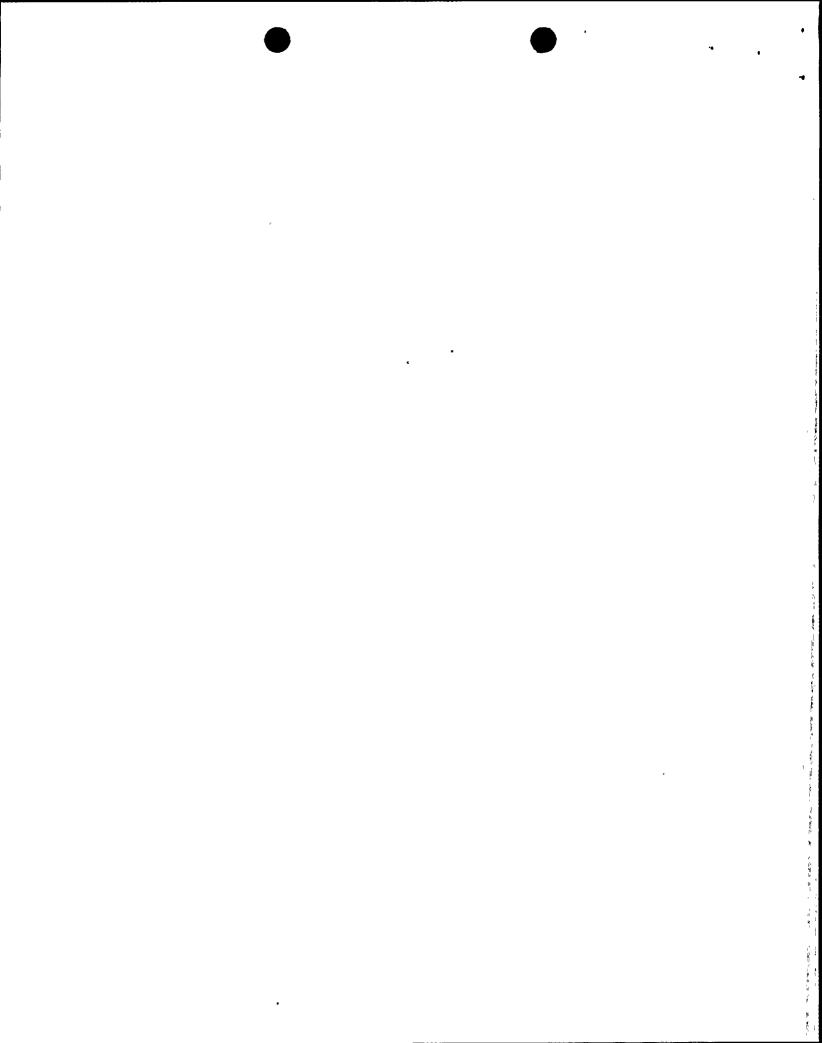
P. Johnson, RV

P. Eng; NRR

J. Wermeil, MRR

J. Dyer, NRR

J. Kudrick, NRR



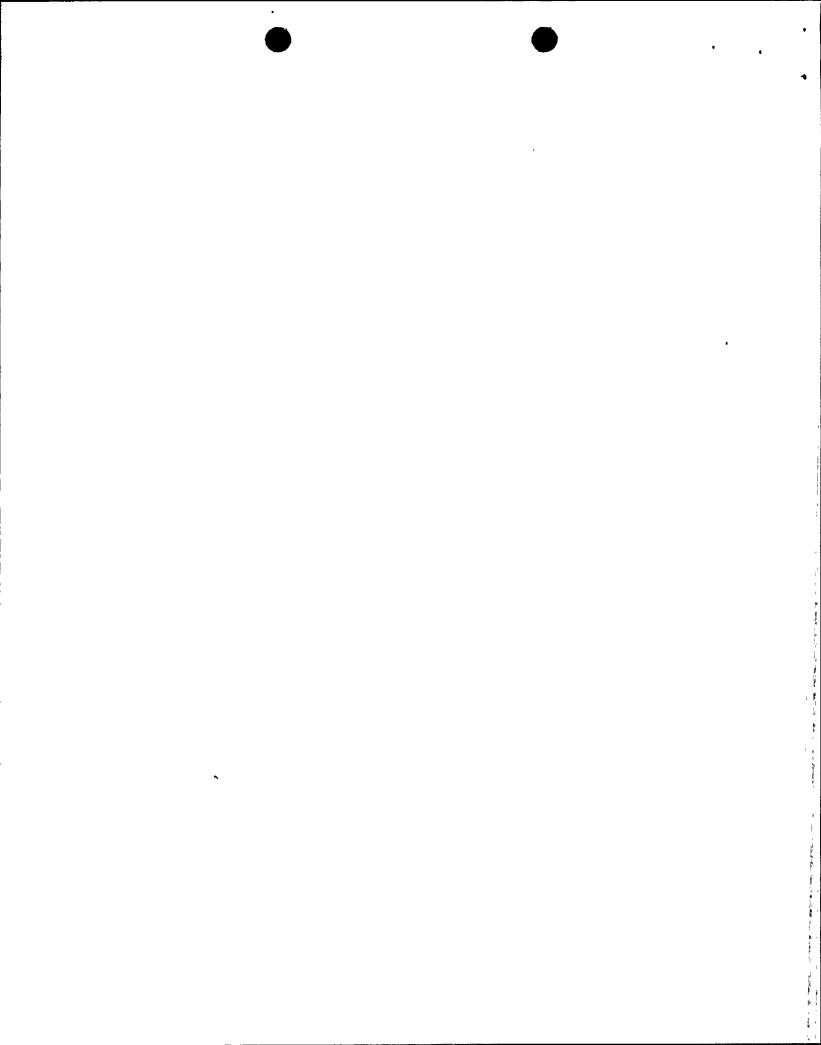
LIST OF ATTENDEES

NRC*

- T. Meadows L. Miller G. Galletti

WPPSS

- T. Messersmith
 J. Baker
 S. McKay
 G. Sorensen

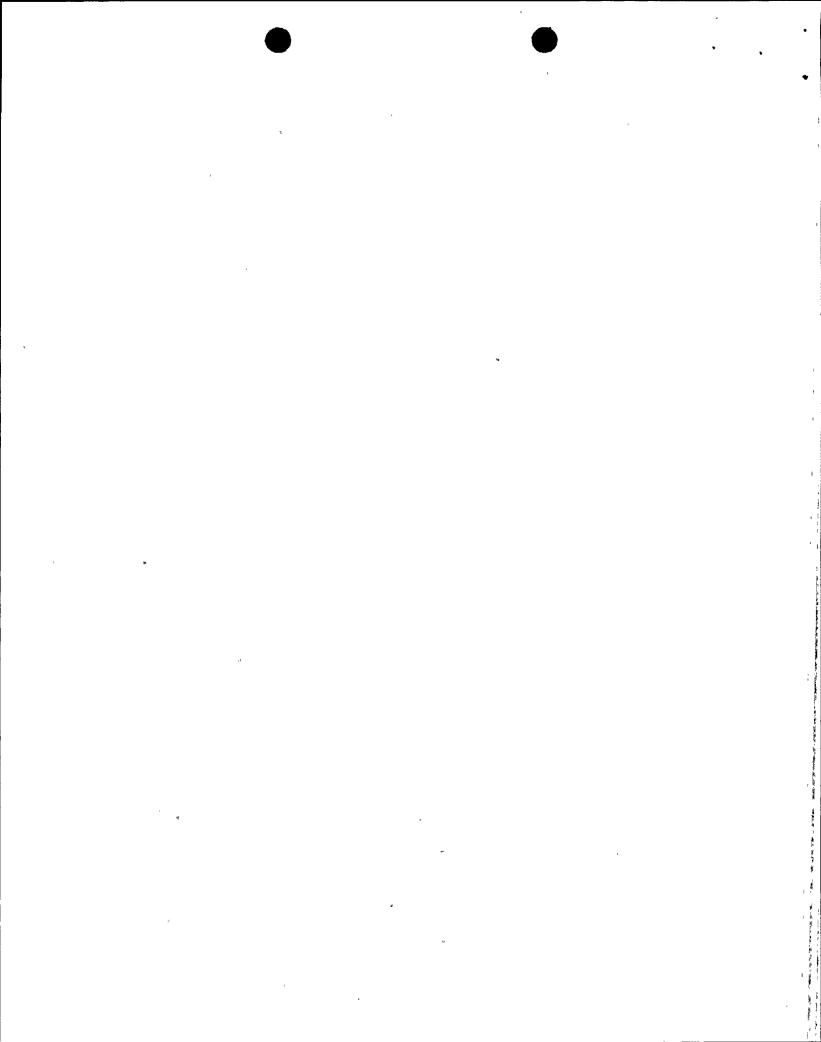


1990 EOP INSPECTION REPORT ANALYSIS SUMMARY

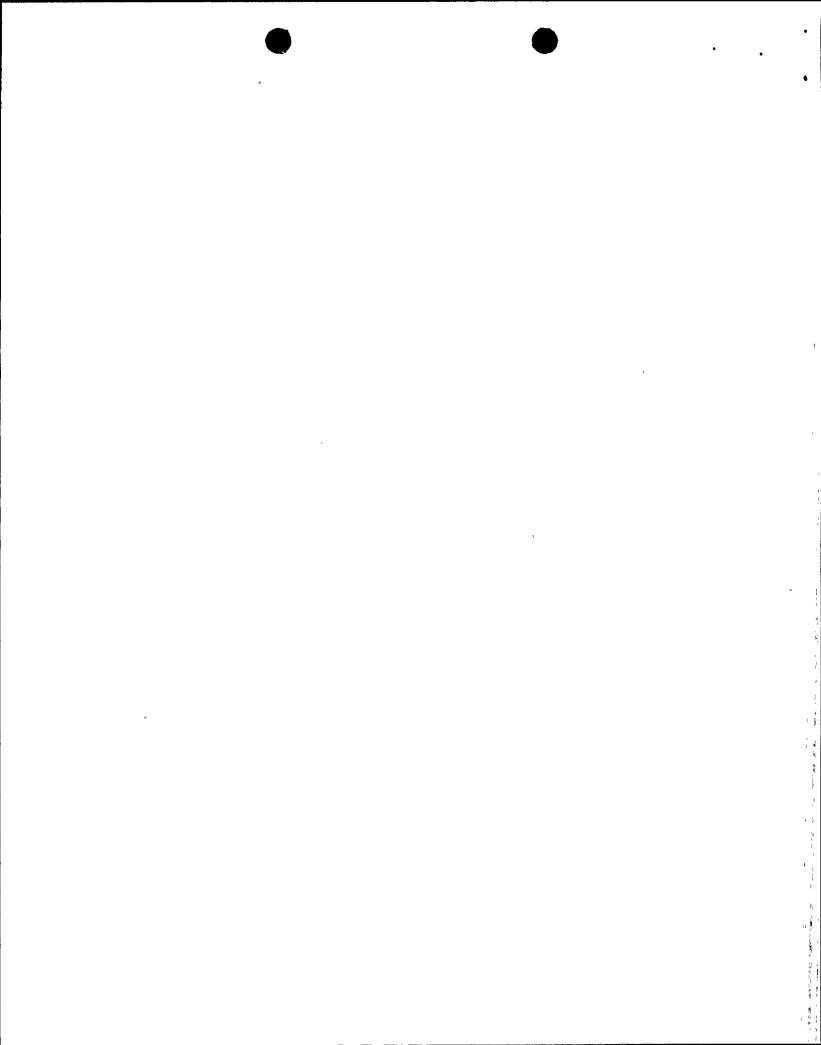
	1990 EOP INSPECTION REPORT ANALYSIS TOTALS											
COMPLETION STATUS	1=	64	(60.4%)		WRITERS GUIDE (1 OR 2 IMPACT)=	7	(6.6%)		le,			
	2=	10	(9.4%)	•	VERIFICATION (1 OR 2 IMPACT)=	32	(30.2%)					
	3=	32	(30.2%)	•	VALIDATION (1 OR 2 IMPACT)=	17	(16.0%)					
			•		OTHER (INCLUDING NO IMPACT)=	50	(47.2%)					
TOTAL		106			TOTAL	106		;				

COMPLETION STATUS	1	CORRECTIVE ACTION WILL BE IMPLEMENTED AS NECESSARY
•	2	WILL AWAIT HUMAN FACTOR EVALUATION BEFORE DECIDING ON ACTION
	3	WILL NOT BE IMPLEMENTED

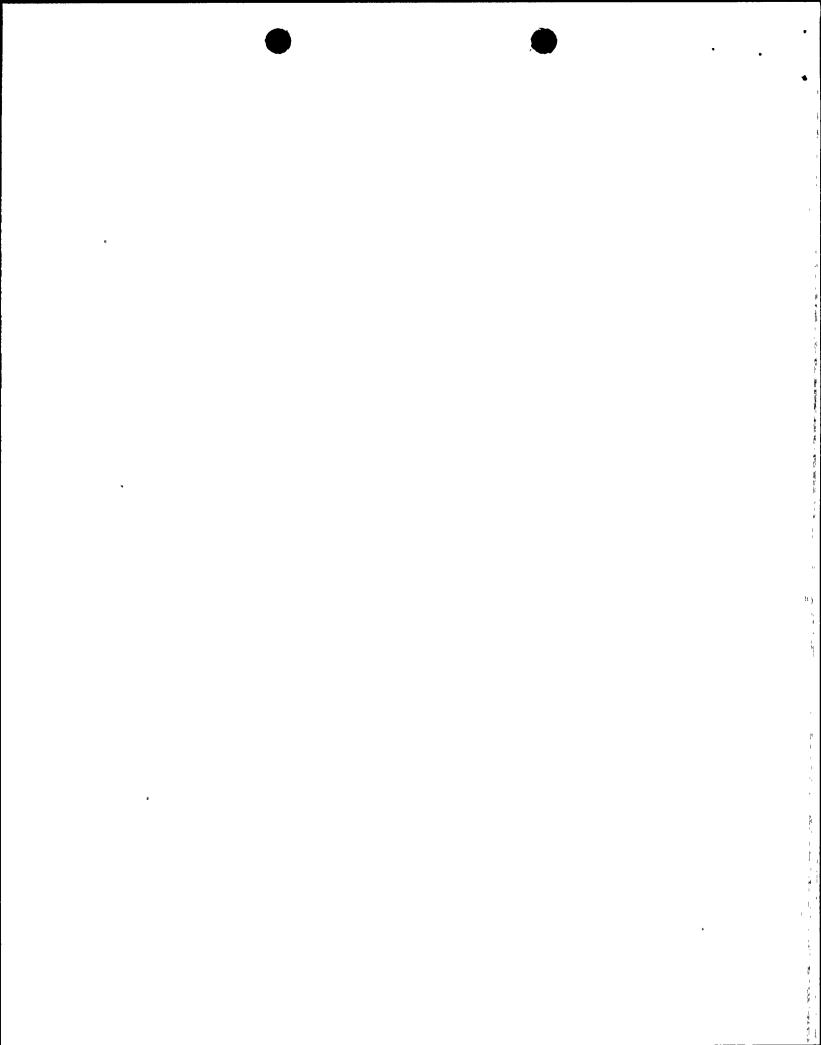
s		COMPLETION STAT	2	WILL AWAIT	ACTION WILL BE II HUMAN FACTOR E			
DI	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 1.2.3:	Deviation procedure not adequate for EOP's.					;	1	Evaluating deviations with procedure control. POC prior to deviation; EOP Coordinator Review.
PPM 1.3.51:	Independent verification of safety related component labels desired.	•					1	Non EOP issue. Label Coordinator to change label PPM.
PPM 2.3.1:	Confusing steps.				x		1	To be resolved in biennial review.
PPM 2.3.1:	Confusing controller setting (5% above).	-			x	•		Several attempts have been previously made to correct. Present guidance to be validated ASAP.
PPM 2.3.1:	No labeling on BD Rad 22 (23) recorders.				x			Recorders are due to be changed out. R-6.
PPM 2.3.1:	Valves not in the MEL.			x	,			Valves are in MEL. Because of software requirements last - must be entered as /. Hard copy of MEL must be consulted.
PPM 2.3.3:	Board designation alternates between P827 and K1(K2).							GE board designation will be used. Biennial Review. Writer's Guide to be changed.
PPM 2.3.1:	Incorrect switch designation.			9	x		1	Rev. 8 Fixed.
PPM 2.3.3:	Switches not keylock.				x		1	To be resolved ASAP.
PPM-2.10.1:	REA-FIC-3A Setpoint not adjustable externally by operator.				x		1	Will provide more specific guidance.



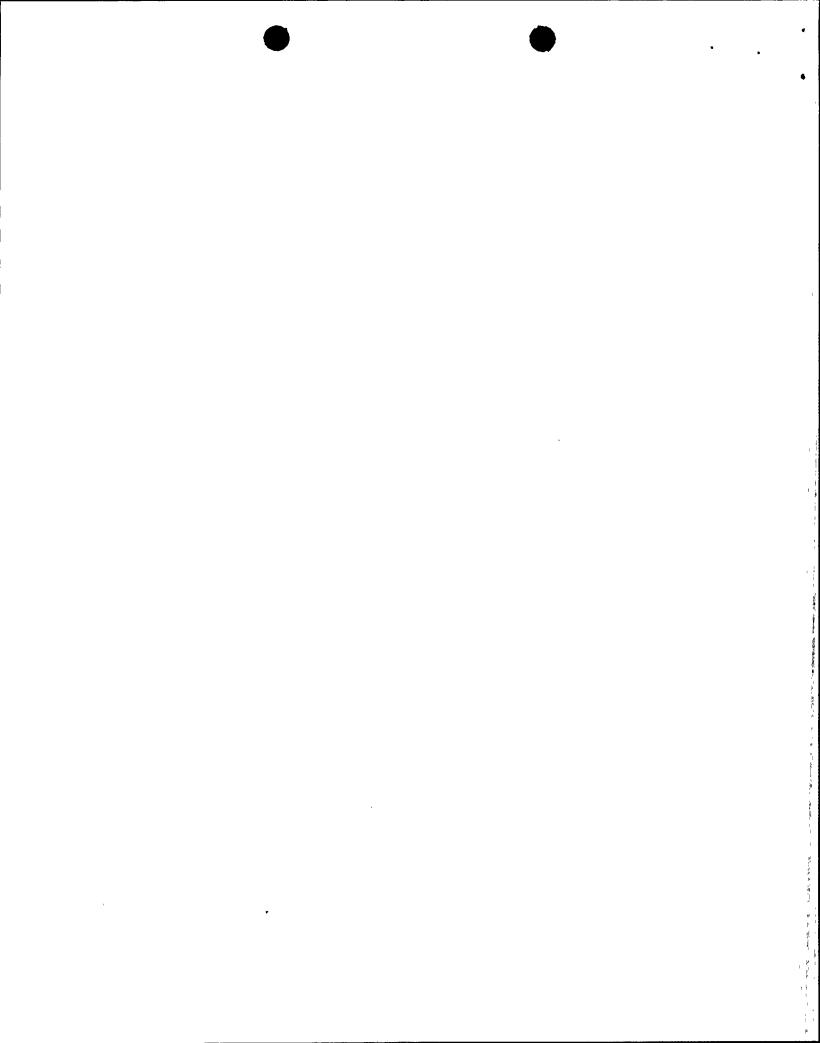
		COMPLETION STAT	US 1 2 3	WILL AWAIT	ACTION WILL BE II HUMAN FACTOR E IMPLEMENTED			- · ·
DIS	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 2.10.1:	Building controller thumbwheel6 versus +.6.			x			- 1	To be resolved ASAP.
PPM 2.10.1:	Controller setting incorrect.	•		x		.,	1	To be resolved ASAP
PPM 2.10.1:	No auto position, not enough detail for operators to function. More training required.	•				•	1	To be resolved in biennial review. Normal after Start/Stop is commonly referred to as Auto.
PPM 2.10.1:	Platform for Operations.	•			-		3	TER will be issued to install permanent scaffold.
PPM 2.10.1:	ROA-TIC-3 had no label.				x		1	Label request issued.
PPM 2.10.1:	Shifting damper control to auto not fully described and locations of fans not accurate.				x		1	Validation will be performed and any necessary corrective action taken.
PPM 3.3.1:	Contains reference to RWP PPM.	x				•		Plant management directed inclusion of this PPM.
PPM 3.3.1:	Duplicated step on two pages.		x		•		3	PPM is correct as written.
PPM 3.3.1:	GDS verses Graphic display system.						2	Not against present writers procedure.
PPM 3.3.1:	Group Isolation attachment does not say where to check.	-						Checking of groups is important. Format acceptable.
PPM 3.3.1:	Implicit reference to PPM 4.12.4.6.						3	
PPM 3.3.1:	Incorrect punctuation in a stepUse of AND/OR.		×					Plant writers PPM not violated. Human factors will look at this.



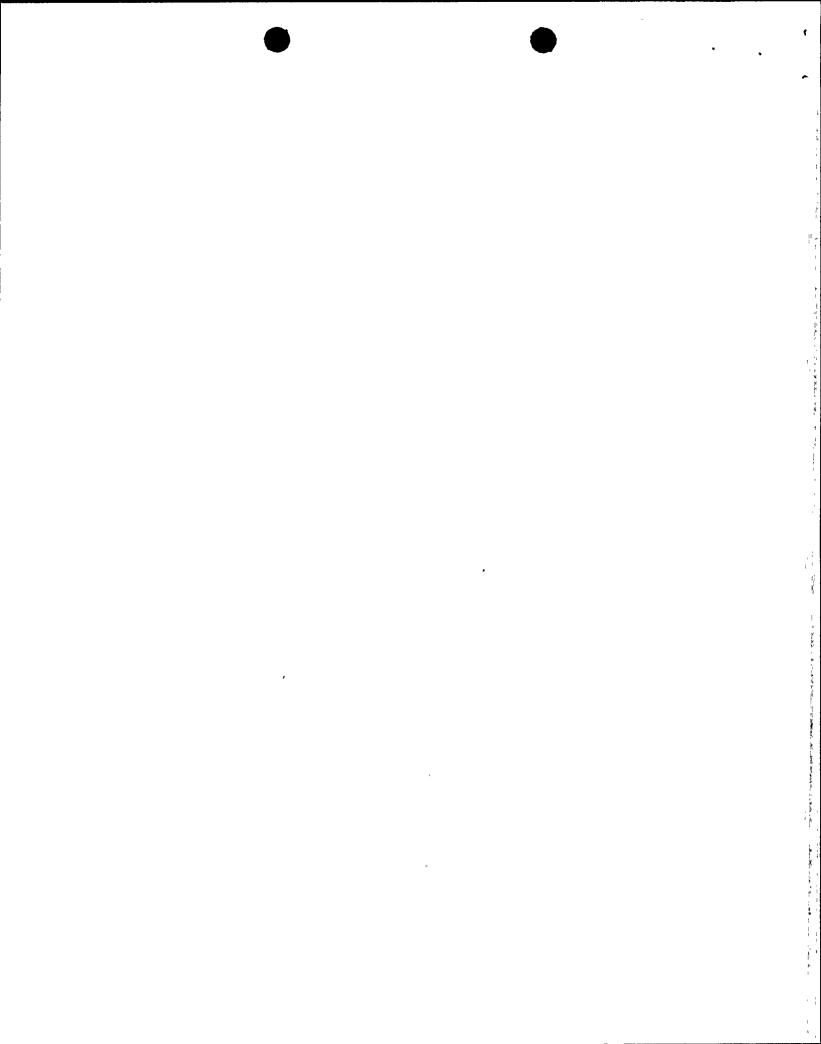
	•	COMPLETION STAT	TUS 1 2 3	WILL AWAIT	ACTION WILL BE II HUMAN FACTOR EVENTED			
D	ISCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 3.3.1:	Indicates using printout when the operators use the screen.			x			1	The printouts are availablewill be an option to use either the screen or the printout.
PPM 3.3.1:	Note placed after step to which it applies.					.1	3	Note placed <u>before</u> substep to which it applies. Correct as written.
PPM 3.3.1:	Pagination incorrect.		х				1	Pagination has been corrected.
PPM 3.3.1:	Panel C verses Board C.		х				1	Writer's Guide will be revised.
PPM 3.3.1:	Procedure deviation system sometimes results in poor print quality deviations.			,	,			Process for Pdf's will evolve with procedure upgrade. Present guidance adequate.
PPM 3.3.1:	Referenced section of another PPM incorrect (RCIC).		٠	x	x		1	Referenced PPM was revised removing section number. Will be corrected.
PPM 3.3.1:	Referenced section of another PPM incorrect (HPCS).			x	x		1	Referenced PPM was revised removing section number. Will be corrected.
PPM 3.3.1:	RHR-V-123A and B cannot be closed from control room.					-	3	Caution tag controls valves.
PPM 3.3.1:	Use of all caps to indicate position and not as labeled.	•	x				1	Should not be caps. To be corrected ASAP.
PPM 3.3.1:	Use of PSI/Sec instead of PSIG/Sec.		x				1	To be corrected ASAP.
PPM 5.0.0 :	EOP Caution 1 wording was non- conservative in that the case of temperature "equal to the saturation temperature" was not cautioned.			x			1	Proposed PPM mark-up complete.



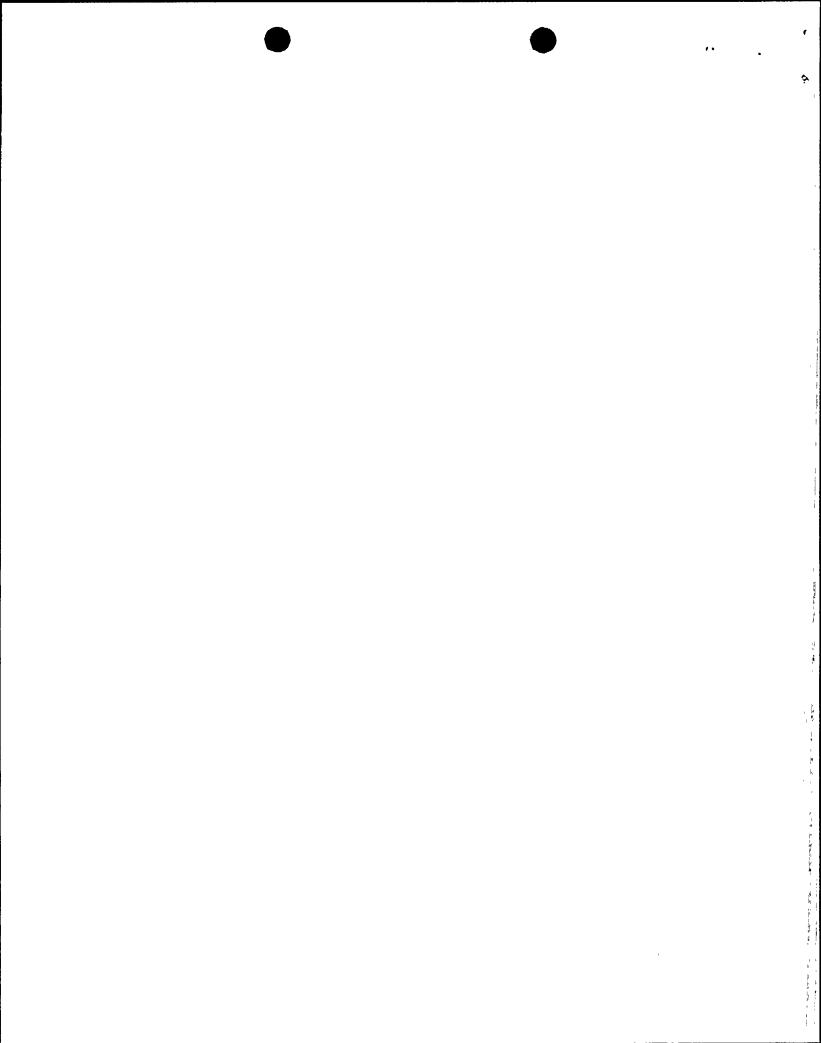
•								•
	•	COMPLETION STAT	TUS 1 2 3	WILL AWAIT	E ACTION WILL BE E HUMAN FACTOR E E IMPLEMENTED			
D	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 5.0.0	The placement of cautions in a separate procedure makes it difficult for operators to use the information. Operators should not be required to transition to another location to read cautions.	x ·				·	2	
PPM 5.0.1:	HCTL and PSPL curves contained non- conservative errors relative to their associated calculations.			x		, .	1	Corrected PPM deviation in place. Verification of all calculations number's will be conducted. Results will be forwarded via LER supplement.
PPM 5.0.4:	EOP Flowchart Validation only requires that validation for revisions to procedures "need only encompasses the changes made to the previously approved procedure."				x	1	3	PPM 5.0.4 specifies the minimum requirement. The Operations Procedure Coordinator will determine if any further increase in validation efforts are required when EOP flowcharts are revised. Will evaluate current guidance for adequacy.
PPM 5.0.6;	Add the tools required for PPM 5.6.1, SBO to list.	ž	x			-	1	Proposed PPM mark-up complete.
PPM 5.1.1:	Contingency callouts not used for every transition to RPV Flooding or Emergency RPV Depressurization.			x			1	Proposed PPM mark-up complete.
PPM 5.1.1:	PPM step, "IF the continuous SRV nitrogen supply is or becomes unavailable", should be structured as an override but isn't. (Inadequate verification.)			·				PPM is correct as written relative to W.G. criteria.



, 	•	COMPLETION STAT	2	WILL AWAIT	ACTION WILL BE IN HUMAN FACTOR EVENTED			
Di	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 5.1.1:	References to ESP's are formatted with the procedure number alone, without the required title. (Inadequate verification.)		x				1	Proposed PPM mark-up complete. Verification checklist to be changed.
PPM 5.1.1:	The procedure does not use directives in active voice to direct action for a high level task. (Inadequate verification.)		-				₋ 3	Procedure is correct as written.
PPM 5.1.1:	The qualifier "other than" is used vice the term "except". (Inadequate verification.)		x				1	Proposed PPM mark-up complete.
PPM 5.1.1:	The transition to Primary Containment Flooding on low RPV level is confusing.				x	a.	2	•
PPM 5.1.2:	A flowchart structure is used that is not specifically allowed by the Writers Guide.	•	x				3	PPM 5.1.2 does not contain any of the unauthorized flowchart structure relative to this deficiency.
PPM 5.1.2:	A particular step contains four qualifying terms.				x -			Proposed PPM mark-up complete. Simplified structure will be used.
PPM 5.1.2:	At one place in the PPM the abbreviation "S.P." was used vice "SP".		х		,		1	Proposed PPM mark-up complete.
PPM 5.1.2:	Contingency callouts missing (one for RPV Flooding and one for Emergency RPV Depress).		x				1	Note: All contingency callouts will be changed to "NOTES". Proposed PPM mark-up complete.
PPM 5.1.2:	Inconsistent terminology used. Similar steps should be written using the same terminology.					ű.	3	



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	·	COMPLETION STAT	CUS 1 2 3	WILL AWAIT	ACTION WILL BE IN HUMAN FACTOR EVE IMPLEMENTED			
DI	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 5.1.2:	Location information for P609 and P611 was given in a format other than specified in the W.G.	•.	x			•	1	Proposed PPM mark-up complete.
PPM 5.1.2:	Periods used in the abbreviation "chg. hdr. isol. valve".		x				1	Proposed PPM mark-up complete.
PPM 5.1.2:	PPM contains additional information not specifically required.		•	-	x	•	3	Validation caused this note to be added and has since proven beneficial to PPM users when dealing with ATWS.
PPM 5.1.2:	PPM uses "ATWS/ARI" vice"ATWS-ARI"				x	,	1	Proposed PPM mark-up complete.
PPM 5.1.2:	The step "Terminate boron injection if initiated" is a conditional step structured in a manner that violates W.G. requirements. (Inadequate verification.)		x				1	Proposed PPM mark-up complete.
PPM 5.1.2:	Wording for the step which asks, "Is more than one control rod not fully inserted?", is confusing.				x		1	Proposed PPM mark-up complete.
PPM 5.1.3:	"Wait Until" symbol inconsistently used (i.e., one of the symbols included the words "then proceed").		x					Usage of the "Wait Until" symbol will be eliminated. Proposed PPM mark-up complete.
PPM 5.1.3:	Suggested working change to a step to eliminate the use of the word "until".							Suggested fit is technically incorrect and doesn't fit correct word-usage.



•		COMPLETION STAT	TUS 1 2 3	WILL AWAIT	ACTION WILL BE II HUMAN FACTOR E			
DI	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 5.1.4:	A step concerning MARFP was confusing to operators due to complex logic and branching.						2	
PPM 5.2.1:	A symbol was used with a slight deviation to Writers Guide criteria (i.e., contained a dotted line).		x				1	Proposed PPM mark-up complete. Human factor will evaluate.
PPM 5.2.1:	At one location in the PPM the abbreviation "DSIP" is used vice "DSIL" (typo).		х .			,1	1	Proposed PPM mark-up complete.
PPM 5.2.1:	At one location in the PPM the phrase "refer to" is used vice "per".		x				1	Proposed PPM mark-up complete.
PPM 5.2.1:	Brackets are used to identify "concentration" per W.G. approved abbreviation/acronym list, while at another location in the W.G. direction is given to not use brackets.	x			ų	T.		Writers Guide to be corrected. Proposed PPM mark-up complete.
PPM 5.2.1:	BWROG EPG criteria for drywell spray initiation due to high P.C. pressure not met.						3	This is part of one of the three WNP-2 deviations at NRR. Additionally, the Supply System is persuing this issue with the BWROG EPC.
PPM 5.2.1:	At one location of this PPM, the N ₂ contains a superscript vice subscript.		х				i	Proposed PPM mark-up complete.

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DISCREPANCY (DESCRIPTION)		WRITER'S GUIDE	VERIF.	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS		
PPM 5.3.1:	Decision blocks use the word "area" when referring to Table 1, while Table 1 was labelled using the word "room" (relative to locations within the Reactor Building).	•	x			· .	. 1	Proposed PPM mark-up complete.		
PPM 5.5.1:	If the entire procedure is performed, the step sequence of steps 1, 2, 3, 4, and 5 requires the operator to alternate back and forth between div 1 and div 2 panels. (PPM did not fully meet W.G. requirements.)			•		,	3	PPM is correct as written. Rational for step sequence was explained during inspection.		
PPM 5.5.1:	The PPM specified relay numbers in steps 1, 2, 3, 4, and 5 and did not use noun names for relays.				-		3			
PPM 5.5.3:	Fire lockers near hydrant and FP-HT-1F were in poor condition.							Corrective Action complete. New fire lockers installed.		
PPM 5.5.3:	Gate valve installation not specified in procedure.	jš.	x					Added during POC review but missed in retyping prior to issuance. The change is complete. Corrective action complete.		
PPM 5.5.3:	PPM does not contain a note or caution concerning adverse conditions prior to the step which require opening the T.B. rollup door.				_		3	•		

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		COMPLETION STAT	TUS 1 2 3	WILL AWAIT	ACTION WILL BE IN HUMAN FACTOR E			
D	DISCREPANCY (DESCRIPTION)		VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 5.5.3:	Prestaged dedicated tools were not available to perform step 2 which required closure of 3 condensate system valves.		a.		-	•	3	These valves must be closed manually, via their handwheels. This procedure would only be performed during times where no air or electrical power are available for power assisted valve operators.
PPM 5.5.5:	Step 2 in this procedure is different in format from identical steps 1, 2, 3, and 4 of PPM 5.5.1.							Steps are not identical. Different format used due to differing scope requirements. Inspection report error.
PPM 5.5.8:	Hose adapter used to connect hose to SLC flange not specified as a required tool in the PPM.		,		x	-	1	This adapter is permanently connected to one end of the hose and was therefore not listed separately. Proposed PPM mark-up complete.
PPM 5.5.8:	PPM specified the use and prestaging of crescent wrenches vice box-end or socket drive wrenches.					۷	3	
PPM 5.5.8:	PPM uses valve numbers without a noun descriptor.		х		٤		1	Proposed PPM mark-up complete.
PPM 5.5.8:	Routing of several hundred feet of rubber hose from the SLC relief valves to RCIC pump suction would be difficult for one operator. Consider installing a hose reel or additional operators.							TER submitted requesting hose reel installation.

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DI	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF.	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS		
PPM 5.5.9:	Dyno tape label found on RWCU-Mx-5. "Dyno tape is temporary and uncontrolled and should not be found on any plant equipment."	•					3	Not an EOP issue.		
PPM 5.5.9:	Note preceding step 16 appears to be inappropriate at this point in the sequence of actions.		`				3	This note is in the correct location.		
PPM 5.5.9:	Step 14.g contains a wording error (i.e., should use "ensure" vice "confirm").		x			* 1	1	Proposed PPM mark-up complete.		
PPM 5.5.9:	Steps 13.e and 11.e are similar but use slightly different format.		x				1	Proposed PPM mark-up complete.		
PPM 5.5.9:	The word FILTER is shown in all capital letters (step 10.e) indicating it is exact plant labeling when in fact it should read "LOW FLOW RESET VESSEL A."						3	This is an error in the inspection report.		
PPM 5.5.9:	Two different terms used to refer to the same panel.		x				i	Proposed PPM mark-up complete.		
PPM 5.5.9:	Valve operators for manual RWCU valves listed is step 11.b are on the floor at the valves, however; they are not dedicated for EOP/ESP use.			-			3	Valve operators are used for normal operations.		
PPM 5.5.11:	PPM includes a note prior to step 2 that attributes the human cognitive process of thinking to the RSCS.						1	Proposed PPM mark-up complete.		

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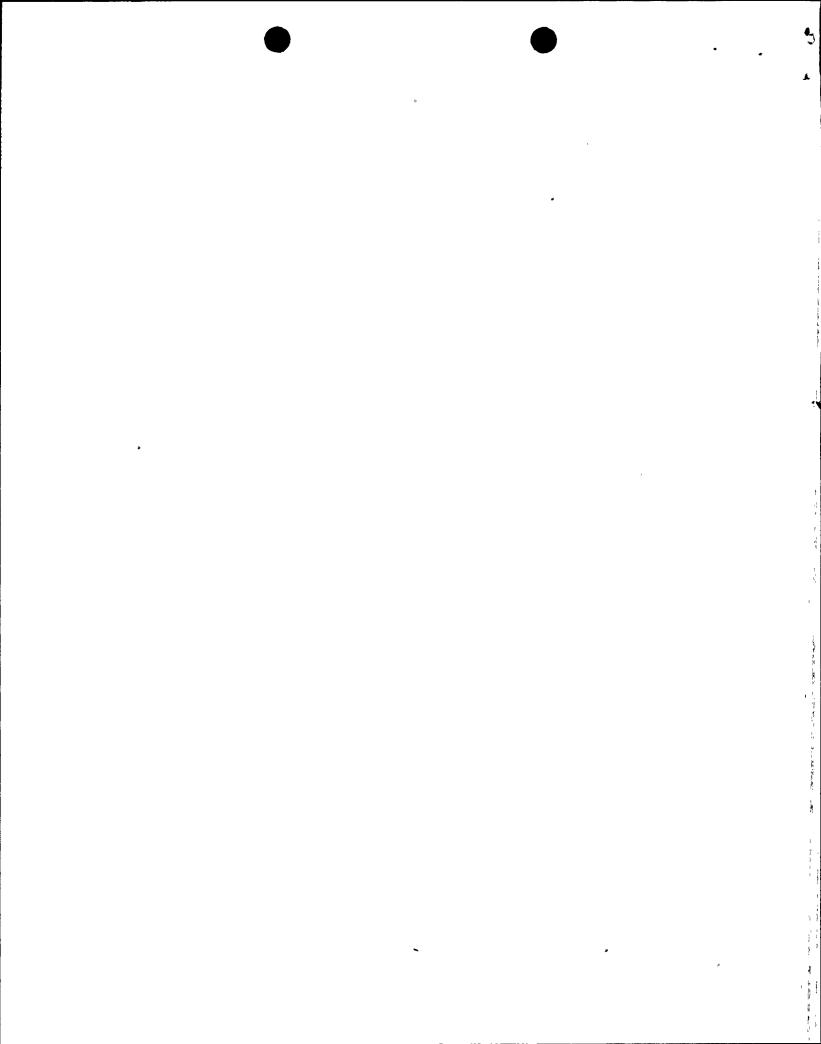
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		COMPLETION STAT	2	WILL AWAIT	ACTION WILL BE IN HUMAN FACTOR EV IMPLEMENTED		•	
DIS	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS -
PPM 5.5.17:	Panel H13-622 had penciled terminal layout markings on the inside of the panel door.	,			•		1	Not an EOP issue. Markings had nothing to do with PPM 5.5.17. Markings have been removed.
PPM 5.5.17:	Step 5a is not clear on instruction to flood containment.	•			-		,3 -	Existing guidance is clear and adequate.
	Steps 2 and 3 are "if statements" that . require the Shift Manager and CRS to concurrently recheck entry conditions while executing all other EOP flowcharts. These "if statements" should be on the flowcharts.					•	2	Separate overrides exist for the conditions of the "if statements" in the appropriate flowcharted EOP's. These "if statements" are relative to PPM 5.5.17 specifically.
PPM 5.5.18:	Step 3 should be integrated into step 4 as they are not separate actions.						3	PPM is correct as written.
PPM 5.5.19:	A white tag (dated 1983) was attached to RHR-V-67 noting the valve had a packing leak.							Corrective action complete. Old outdated tag was removed. Not an EOP issue.
PPM 5.5.19:	Specified a 15 ft. step ladder to reach a valve required to be operated. The prestaged ladder was only 8 ft.				x		1	A 10 ft. ladder was immediately installed and PPM 5.5.19 will be changed to specify a 10 ft. ladder. Proposed PPM mark-up complete.
PPM 5.5.19:	Steps 4h and 4i specified valve numbers without using noun names.		x				1	Proposed PPM mark-up complete.

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		COMPLETION STAT	TUS 1 2 3	WILL AWAIT	ACTION WILL BE II HUMAN FACTOR EVE IMPLEMENTED			
DI	SCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS
PPM 5.6.1:	(SBO), lists no tools or equipment necessary to perform it.		x	,				While not listed in the PPM, these tools (2 crescent wrenches) were and are prestaged. PPM will be changed. Proposed PPM markup complete.
PPM 5.6.1:	Dyno tape is used to label the open/close lights for PI-VX-262, 263, 264, and 265 as well as E-CP-DG-RP/3 (D/G droop switch).	, .	-	x			1	Label request issued. Will be installed.
PPM 5.6.1:	Step 12b should be evaluated and revised as it incorrectly isolates RCIC high exhaust pressure isolation switches.					•		RFTS submitted to determine necessity of cap removal.
PPM 5.6.1:	Step 5.13 fails to indicate which HPCS and RCIC room doors to open. (Inadequate verification.)							Existing direction is prescriptive and very adequate.
PPM 5.6.1:	Step 5.19 requires operator to move upstairs to read hydrogen pressure. Operator believed that he could also read this information on a local gauge without moving upstairs.			-				Operator was incorrect. This pressure cannot be read without moving upstairs.
PPM 5.6.1:	Step 5.22 contains a second action that should be located after 5.23. (Inadequate verification.)						3	PPM is correct as written.



	•	COMPLETION STAT	US 1 2 3	WILL AWAIT	ACTION WILL BE IN HUMAN FACTOR EV IMPLEMENTED			
D	ISCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE	COMP. STATUS	COMMENTS .
PPM 5.6.1:	Step 5.22 leads to action of valving in the D.G. building corridor CIA bottles. The JPA for these actions is located in the RB truck lock. An operator had difficulty with the corridor actions. (Inadequate validation.)	•	-				1	IPA posted in D.G. corridor. Corrective Action complete.
PPM 5.6.1:	Step 5.27 referenced another procedure containing a few simple actions. This referencing is unnecessary.					•	3	Our existing guidance provides the deliberate action we desire.
PPM 5.6.1:	Step 5.4.a directs the operator to shut HPCS-V-4 when RPV level reaches 40.5 inches. An operator stated that he believed the appropriate action was to allow the valve to auto shut at 54.5 inches.			x		•	1	Proposed PPM mark-up complete.
	ngency callouts are placed within action ymbols.	,x					1	Proposed PPM mark-up complete. Writers Guide and PPM's will be changed.
LR-5,	ol room instruments CMS-LR-3 and CMS-, suppression pool level were "red lined" at rather than the EOP limit of 52 ft.						1	Corrective action complete.
	olled copies of ESP's were not available for and EO's to use during emergencies.				x		1	These copies will be prestaged.
	ction verb list in the writers guide was clusive.	x					2	

	COMPLETION STAT	2	WILL AWAIT	ACTION WILL BE IN HUMAN FACTOR EVENTED			
DISCREPANCY (DESCRIPTION)	WRITER'S GUIDE	VERIF. ADMIN	VERIF. TECH.	VALIDATION	CLOSURE DATE .	COMP. STATUS	COMMENTS
The writers guide allows the use of qualifiers (i.e., except). The position of the qualifier clause may cause it to be read after the action is begun.	х.	•			in the second	2	Only one qualifier is allowed to be used (singular). Human factors will look into this.
The writers guide design for "continuation condition" steps splits the condition form in contingent action. The condition is attached to the previous action symbol, suggesting a relationship that may not exist.	x			•		2	-
The writers guide directions on referencing and branching is unclear. Definitions of referencing and branching provides no clear distinction.	x					2	•

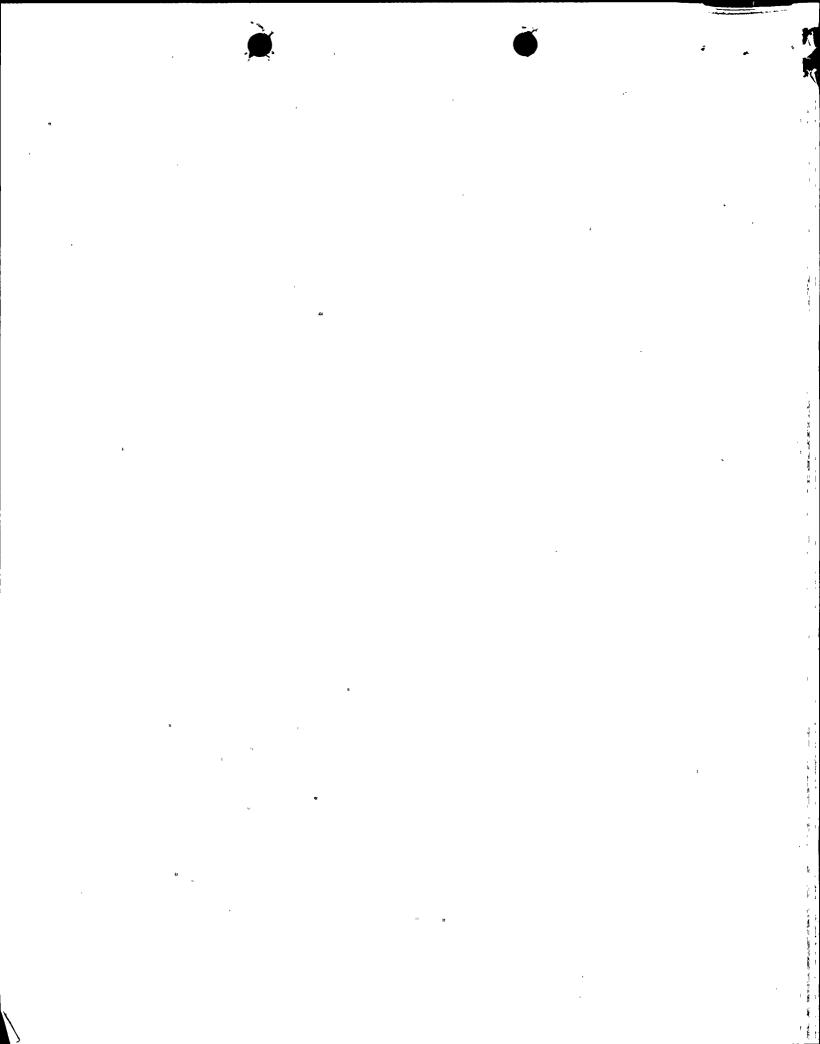
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SEND TO PDR]
[YES] / NO]





UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20555

DISTRIBUTION Docket File PD5 Reading **DFoster** PEng

January 3, 1991

50-397

MEMORANDUM FOR:

Regulatory Publications Branch Division of Freedom of Information and Publications Services Office of Administration and Resources Management

FROM:

Office of Nuclear Reactor Regulation

SUBJECT:

ENVIRONMENTAL ASSESSMENT OF REQUESTED EXEMPTION FROM 10 CFR 55.45(b) (2)(iii) FILING DEADLINE AND 10 CFR 55.45(b)(2)(iv) (TAC NO. 76488)

One signed original of the <i>Federal Register</i> Notice identified below is enclosed for y Register for publication. Additional conformed copies (5) of the Notice are en	
Notice of Receipt of Application for Construction Permit(s) and Operating Licer	(2)020
Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.	
Notice of Consideration of Issuance of Amendment to Facility Operating License	. (Call withday insert date).
Notice of Receipt of Application for Facility License(s); Notice of Availability Notice of Consideration of Issuance of Facility License(s) and Notice of Opport	
Notice of Availability of NRC Draft/Final Environmental Statement.	
Notice of Limited Work Authorization.	
Notice of Availability of Safety Evaluation Report.	· · · · · · · · · · · · · · · · · · ·
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Notice of Issuance of Facility Operating License(s) or Amendment(s).	•
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Contact: Patricia L. Eng Phone: X21361	
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UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20555 September 19, 1990

DISTRIBUTION Docket File PD5 Reading DFoster PEng

50-397

MEMORANDUM FOR:

Regulatory Publications Branch Division of Freedom of Information and Publications Services Office of Administration and Resources Management

FROM:

Office of Nuclear Reactor Regulation

SUBJECT:

NUCLEAR PLANT NO. 2: WITHDRAWAL OF AN AMENDMENT REQUEST

One signed original of the Federal Register Notice Identified below is enclosed for your transmittal to	
Register for publication. Additional conformed copies (5) of the Notice are enclosed for your use	3 e. ·
Notice of Receipt of Application for Construction Permit(s) and Operating License(s).	
Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.	•
Notice of Consideration of Issuance of Amendment to Facility Operating License. (Call withda	ıy insert date).
Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's El Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.	
Notice of Availability of NRC Draft/Final Environmental Statement.	
Notice of Limited Work Authorization.	
Notice of Availability of Safety Evaluation Report.	•
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NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20555

September 5, 1990

DISTRIBUTION

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MEMORANDUM FOR:

Regulatory Publications Branch Division of Freedom of Information and Publications Services Office of Administration and Resources Management

FROM:

Office of Nuclear Reactor Regulation

SUBJECT:

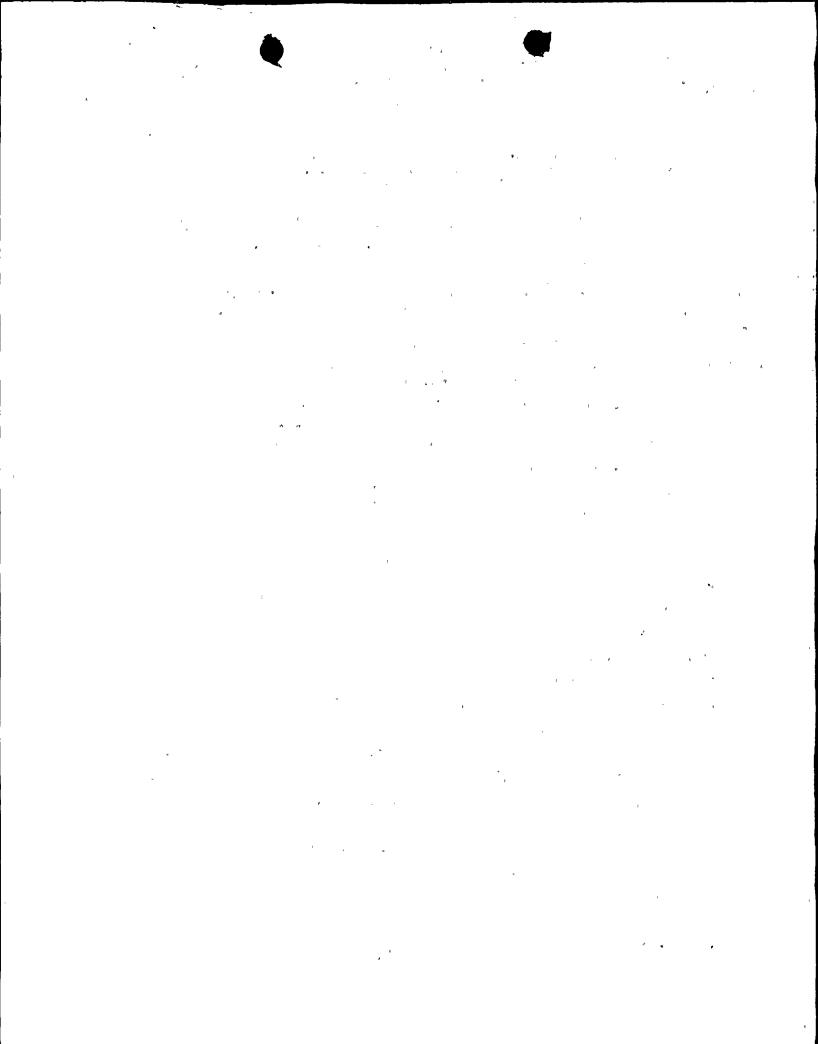
WASHINGTON NUCLEAR PLANT UNIT 2 - DENIAL OF AMENDMENT REQUEST (TAC NO. 75380)

	signed original of the Federal Register Notice identified below is enclosed for your transmittal to the Office of the Federal ster for publication. Additional conformed copies (5) of the Notice are enclosed for your use.
	Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
	Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
	Notice of Consideration of Issuance of Amendment to Facility Operating License. (Call withday insert date).
	Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
	Notice of Availability of NRC Draft/Final Environmental Statement.
	Notice of Limited Work Authorization.
	Notice of Availability of Safety Evaluation Report.
	Notice of Issuance of Construction Permit(s).
	Notice of Issuance of Facility Operating License(s) or Amendment(s).
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	Exemption.
	Notice of Granting Exemption.
	Environmental Assessment.
	Notice of Preparation of Environmental Assessment.
	Receipt of Petition for Director's Decision Under 10 CFR 2.206.
	Issuance of Final Director's Decision Under 10 CFR 2.206.
X	Other: Notice of Denial of Amendment to Facility Operating Licence and Opportunity for Hearing
	Please call Paula Hagnanelli-at-492-1372, With insert-date.

Office of Nuclear Reactor Regulation

Enclosure: As stated

Contact: P. Eng Phone: 492-1361





UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20555

DISTRIBUTION Docket File PD5 Reading File **DFoster** PEng

September 5, 1990

50-397

MEMORANDUM FOR:

Regulatory Publications Branch Division of Freedom of Information and Publications Services Office of Administration and Resources Management

FROM:

Office of Nuclear Reactor Regulation

SUBJECT:

NUCLEAR PLANT NO. 2: WITHDRAWAL OF AN AMENDMENT REQUEST REGUARDING ACCIDENT MONITORING INSTRUMENTATION (TAC NO. 76673)

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UNITED STATES **NUCLEAR REGULATORY COMMISSION** WASHINGTON, D.C. 20555

August 27, 1990

DISTRIBUTION Docket File PD5 Reading DFoster 'PEng

50-397

MEMORANDUM FOR:

Regulatory Publications Branch Division of Freedom of Information and Publications Services Office of Administration and Resources Management

FROM:

Office of Nuclear Reactor Regulation

SUBJECT:

WASHINGTON NUCLEAR PLANT NO. 2: WITHDRAWAL OF AN AMENDMENT REQUEST REGARDING ACCIDENT MONITORING INSTRUMENTATION (TAC NO. 76108)

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