Official Copy

January 27, 1995

Tennessee Valley Authority
ATTN: Mr. Oliver D. Kingsley, Jr.
President, TVA Nuclear and
Chief Nuclear Officer
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: MEETING SUMMARY - WATTS BAR UNITS 1 AND 2

Gentlemen:

This letter refers to the technical meeting conducted in Region II on January 11, 1995. The meeting was at your request to discuss corrective actions for material items in an "on hold for RIP" status as part of your Replacement Items Project Corrective Action Program. Enclosure 1 is a list of individuals who attended the meeting and Enclosure 2 is the TVA handout for the meeting. It is our opinion that this meeting was beneficial and provided a better understanding of TVA's activities.

Should you have any questions concerning this letter, please contact me.

Sincerely,
Original Signed By:
J. P. Jaudon

Johns P. Jaudon, Deputy Director
TVA Construction
Division of Reactor Projects

Docket Nos. 50-390 and 50-391
License Nos. CPPR-91 and CPPR-92

Enclosures: 1. List of Attendees
2. TVA Handout, Presentation Outline

cc w/encls: (See page 2)

030006

TFUE

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The Honorable Robert Aikman
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Rhea County Courthouse
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The Honorable Garland Lanksford
County Executive
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SEND TO	OFC	DRP/RII	DRP/RII	DRP/RII		
	NAME	RGibbs:vyg	PFredrickson	CJulian		
PDR?	DATE	01/25/95	01/26/95	01/27/95	/94	/94
Yes No	COPY?	Yes No	Yes No	Yes No	Yes No	Yes No

OFFICIAL RECORD COPY DOCUMENT NAME: G:\SEC4B\WBMTGSUM.N17

LIST OF ATTENDEES

Name and Title

NRC Staff

*S. Alexander, EQ and Test Engineer, Office of Nuclear Reactor Regulation (NRR)
J. Jaudon, Deputy Director, TVA Construction, Watts Bar (WB), Division of Reactor Projects (DRP), Region II (RII)
P. Fredrickson, Branch Chief, WB Construction, DRP, RII
R. Gibbs, Project Engineer, DRP, RII
R. Gramm, Quality Assurance Section Chief, NRR
F. Hebdon, Director PD II-4, NRR
J. Peralta, Operations Engineer, NRR
M. Peranich, MC2512 Senior Program Coordination Manager, WB Construction, DRP, RII
*R. Pettis, Sr. Reactor Engineer-Team Leader, NRR
P. Tam, Senior Project Manager PD II-4, NRR
G. Walton, Senior Resident Inspector, WB Construction, DRP, RII

TVA Staff

P. Carier, TVA Licensing
R. Johnson, Project Engineer, TVA Engineering
J. Seeley, Manager Replacement Items Project, TVA Engineering
M. Tuley, TVA Consultant, Gilbert Associates

*Per telecon

Enclosure 1

Scope of the WBN RIP CAP

- Over 155,000 total items have been evaluated, constituting nearly 70% of all items installed either to construct or maintain the plant
- Evaluations performed by RIP, MIP, and PEG
- Over 100,000 items procured prior to 6/91 (PEG established) have been evaluated
- Scope was highly conservative compared to other nuclear plants performing evaluations of past procurements because of no plant operating history.
- Scope consistent with current regulatory guidance. ("Staff does not expect licensees to review all past procurements" GL 91-05)

Enclosure 2

Results of the RIP CAP

- < 9% of past procurements indicated items were not specified correctly (primarily due to improper safety classification)
- <8 % of past procurements indicated that there was inadequate documentation to properly accept CGI's and additional testing/inspection was required to dedicate the item.
- *However,*

  < .005% of procured items were found to be non-conforming to design requirements

Conclusions

- The RIP CAP has statistically achieved a high level of assurance regarding the adequacy of previously procured items
- Additional evaluations of previously procured items will not significantly enhance the confidence level of the adequacy of WBN materials (installed and in stock)
- Existing procedures are adequate to ensure items are specified and accepted properly, and the procedures comply with current industry and regulatory guidance

TVA WBN RIP CAP

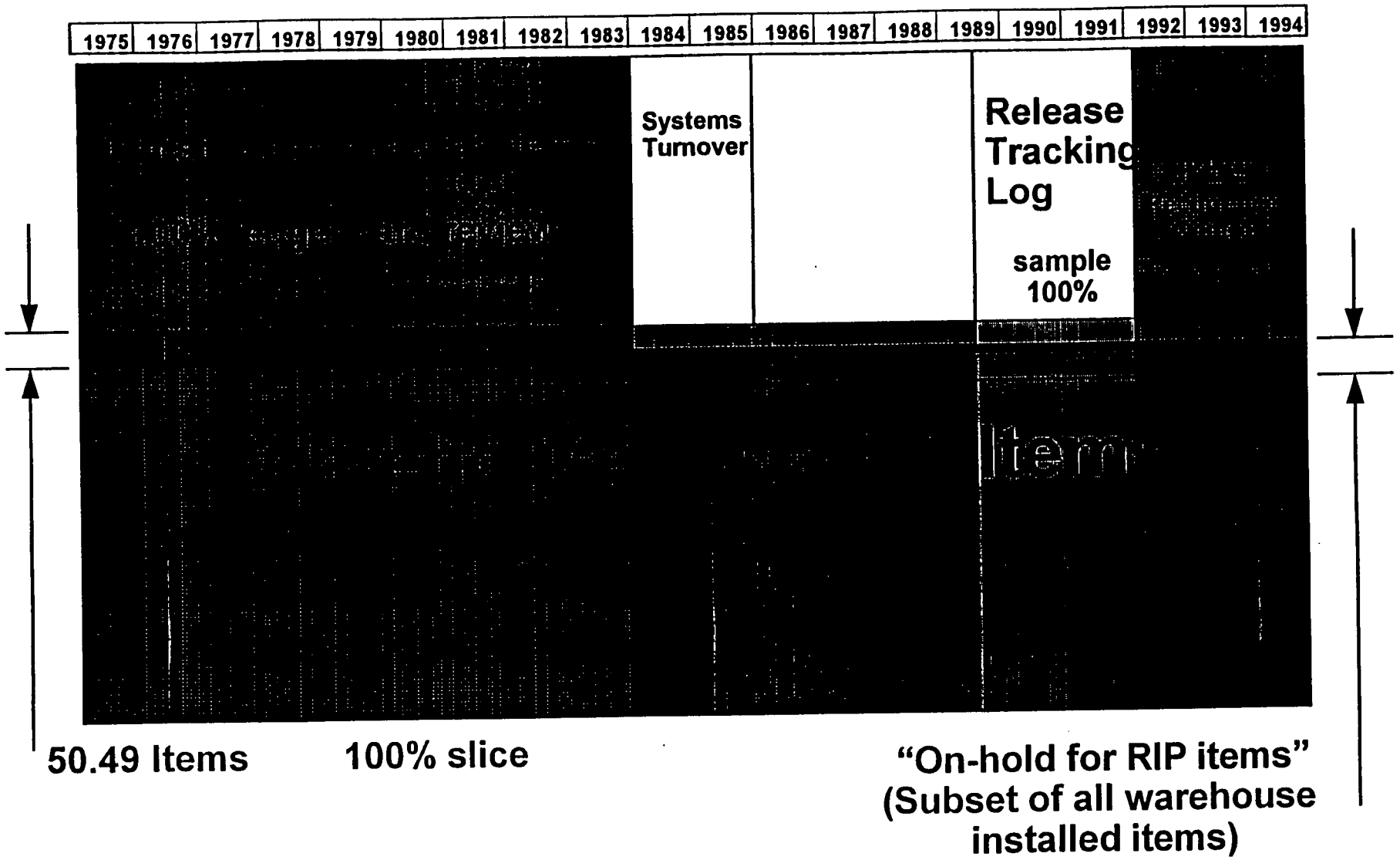
1/10/95 8:48	PLANT								Warehouse		Totals to date	Future
	Maintenance Installed 50.49 Items(7)	Pro-TIICs	Release Tracking Log Items(5)	Sorting Construction Installed Items(1),(2)	Sorting Direct Charge Construction Installed Items	Level III classification verification	On hold for RIP #1 (From MIP)(12)(13)	On hold for RIP #2 (From IMP)(4)	Original ~18K contracts (MIP) (10)	PEG (11)(14)(15)		Additional ~9K contracts (IMP)(3)
Total population (items)	2456	276	5516	55000	19240	5215	1464	35	17796	71353	178075	9000
Total population (TIICs)	1152	276	2340	55000	19240	5215	1464	35	17796	36685	139203	9000
When installed	'84-'89	'84-'89	'89-'90	'75-'84	'75-'84	'75-'89	'75-'89	'75-'89	N/A	N/A	'75-pres	N/A
# items to evaluate (RIP)	1152	276	2340	55000	500	5215	1464	35	See PLANT	N/A	65982	70 (est)
# items to sanitize (MIP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17796	N/A	17796	9000
Sampling Plan	(9)	100%	100%	100%	MIL-STD 105.E	100%	(6)	(6)	100%	N/A		TBD
Procedure	AI-5.19	SSP-10.C	SSP-10.C	SSP-10.C	SSP-10.C	SSP-10.c	SSP-10.C	SSP-10.C	SSP-10.B	SSP-10.5		SSP-10.5
# RIP packages req'd	413	0	2340	N/A	N/A	N/A	645	35	N/A	N/A	3433	70 (est)
# RIP pack remain	0	0	127	0	0	0	645	35	N/A	N/A	772	70 (est)
# SAN packages done	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8226	N/A	8226	TBD
# SAN pack remain	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	0	TBD
# PEG packages	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	48000	48000	N/A
Work duration	1991	1991	'92-'94	'92-'94	'92-'94	'91-'93	10/93-pres	11/94-pres	'91-'93	6/91-pres	'91-pres	'94-pres
# items surplused/removed/salvaged for economic reasons (8)	23	0	400	0	0	0	0		7971	0	8394	TBD
# items passed PIT	0	0	300	0	0	0	0		N/A	928	1228	TBD
# items awaiting PIT	11	0	127	0	0	0	80		N/A	928	1146	160 (est)
# items found with non-conformances	3	0	7	0	0	0	0		N/A	183	193	0 (est)
NRC sample	Process	Process	31 Packages	Process	Process	315 items	12 packages	N/A	38 packages	27 packages		N/A
# deficiencies	0	0	7	0	0	0	0		2	2	11	
References	A,F	A	E,F	B	B	G	E,F		C,D	H,I,J		C,D

References:

A: FINAL REPORT Maintenance Installed 10CFR 50.49 Items Evaluation Program, dated 11/20/91
B: FINAL REPORT Replacement Items Program, Task 3, Construction Installed Replacement Items, dated 1/25/93
C: WBN Materials Improvement Program (MIP) Project White Paper, dated 10/23/92
D: WBN MIP database
E: RIP CAP Interim Closure Report, dated 4/28/94
F: RIP database
G: FINAL REPORT RIP TASK 4A Investigate QA Level III Population, dated 6/30/94
H: WBN Database Report No: 1111MIX dated 1/5/95
I: Receiving Inspection Results Database Report, dated 1/5/95
J: TVA Materials Receipt Rejection Reports

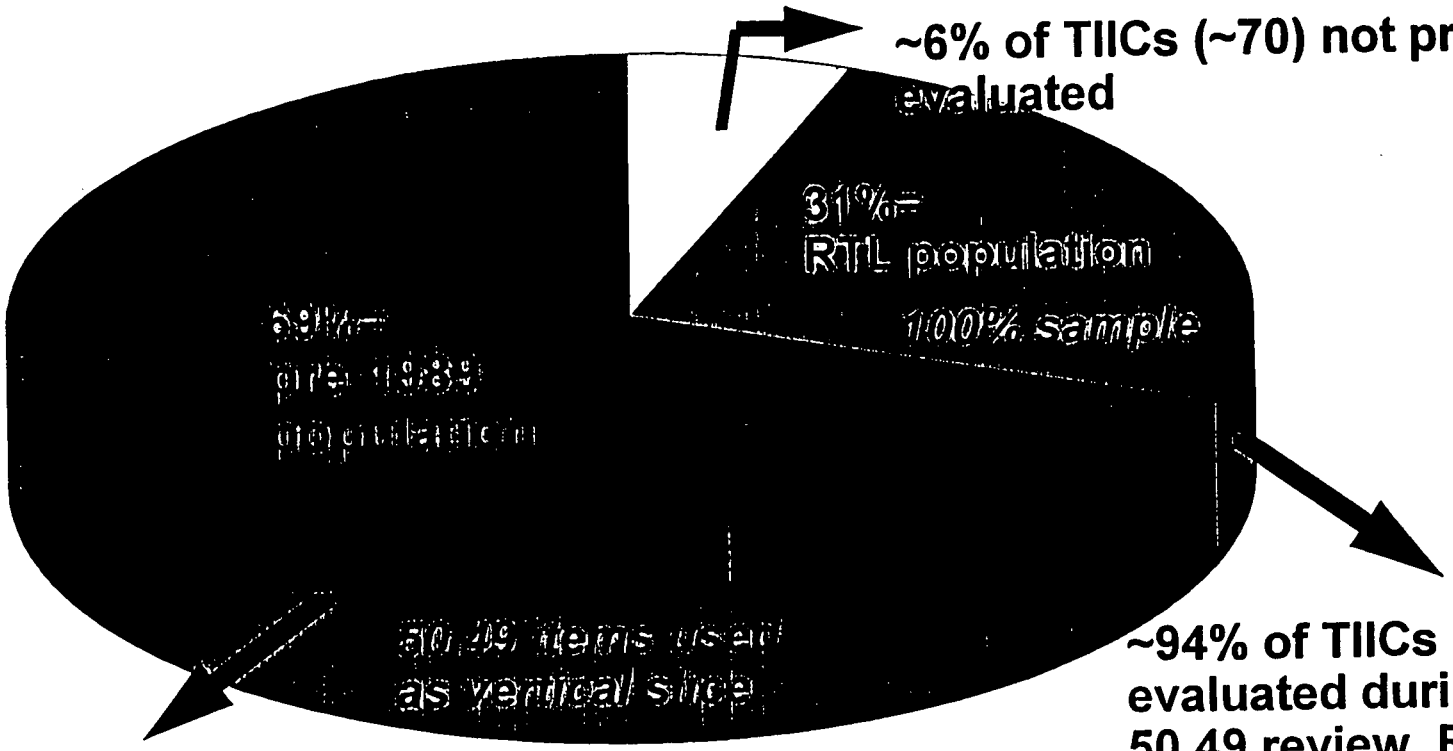
Notes: (Some quantities approximated based on source information referenced above)

(1) Ledger cards were reviewed and sorted
(2) RIP evaluation consisted of sorting items by commodity and determining adequacy of each item's procurement requirements and acceptance documentation.
(3) Completion of walk down is required to completely scope the remaining population of warehouse items.
(4) Remaining population of "on hold for RIP" items is estimated based on experience with MIP process
(5) Remaining RIP packages are awaiting results of post-installation tests
(6) Number o RIP packages required was reduced by eliminating duplicated TIICs already evaluated by RIP
(7) 90 CGI packages had to be redone and were added to the RIP scope in 1992
(8) # of items removed is based on work request log
(9) Number of RIP packages required was reduced by eliminating items being resolved by other engineering evaluations
(10) SAN packages could have included more than one TIIC
(11) PEG processed ~36K TIICs, (14,307 QA0, 9,830 QA1, 2,651 QA2, and 9,897 QA3) and ~35K non-TIICs, (21,147QA and 12,521 non-QA).
(12) To date ~94% of "on hold for RIP" items have been previously evaluated by RIP 50.49 review, RIP RTL, CEG, or PEG. (18 new PPSP's required)
(13) ~80% of remaining RIP packages remain open for PIT and/or comparative review of TIIC against previously evaluated item
(14) ~1% material rejection rate overall, .5% material rejection due to inherent item defects, rejections do NOT represent CGI non-conformances found during dedication
(15) ~35% of CGI's dedicated using special tests/inspections, including post-installation tests



WBN RIP Corrective Action Plan

Indeterminate Materials Project (projection)

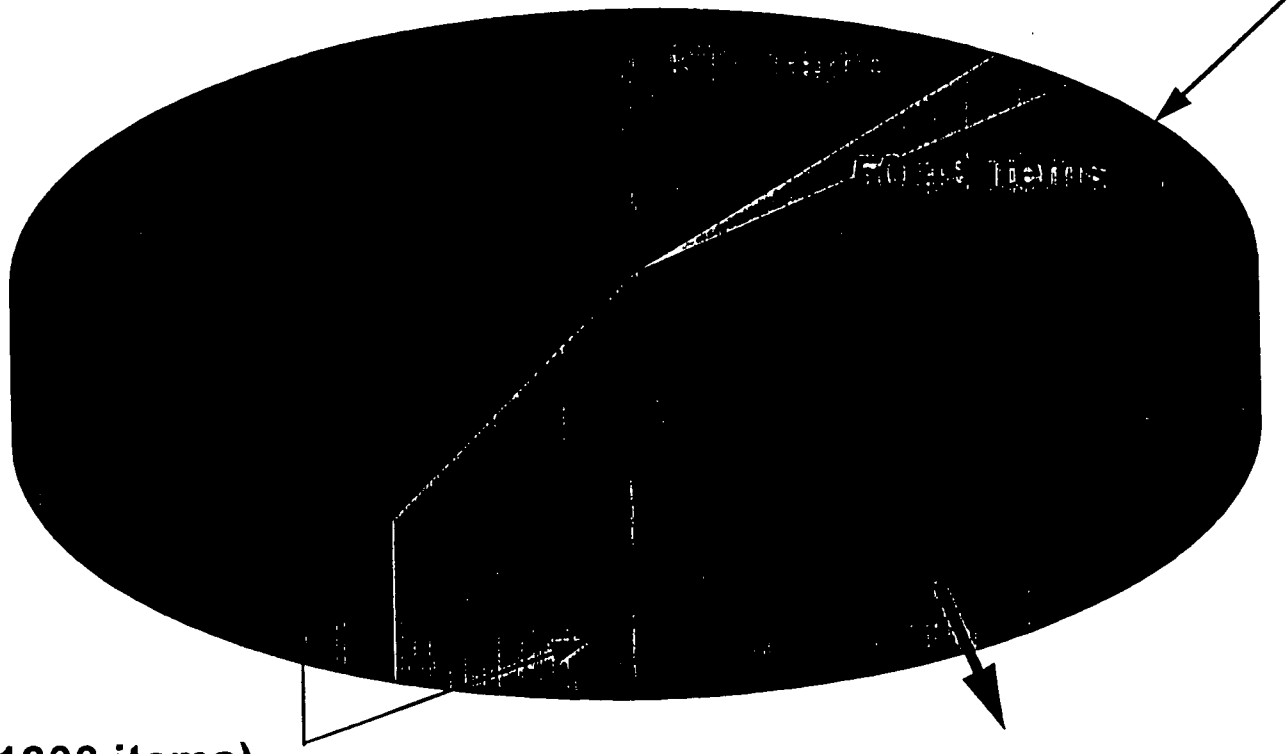


~94% of TIICs already evaluated during RIP 50.49 review, RTL, PEG, or CEG

100% of 50.49 TIICs already evaluated by RIP

"On-hold for RIP" status

1464 Items
(represents ~13% of all
issues from stock)



~88% (~1300 items)
pre-1989 issued items
(representative subset of
larger population already
evaluated by RIP)

~645 PPSPs completed
(exceeded RIP CAP plan
by 5 times)