

April 13, 1987

Docket Nos. 50-259/260/296

LICENSEE: Tennessee Valley Authority
FACILITIES: Browns Ferry Nuclear Plant
SUBJECT: SUMMARY OF RESTART ISSUES - BROWNS FERRY, UNIT 2

Enclosed is the summary of the NRC/TVA Browns Ferry meeting held March 12, 1987, to discuss the review schedules for startup issues. A list of meeting participants is enclosed (Enclosure 1). The revised schedule reflecting discussions held at the Browns Ferry meeting is enclosed (Enclosure 2).

For convenience, a listing of upcoming TVA Browns Ferry meetings is also enclosed (Enclosure 3).

The next licensing activity meeting is scheduled for April 23 and 24, 1987, at the site.

Original signed by
John A. Zwolinski, Assistant Director
for Projects
Division of TVA Projects
Office of Special Projects

- Enclosures:
1. Attendance List
 2. Revised Schedule/Discussion
 3. Upcoming Meetings

CONTACTS:
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SPR:DTVA
CJamerson
4/18/87

SPR:BF
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SPR:BF
Gears
4/10/87

SPR:DTVA
JZwolinski
4/13/87

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DISTRIBUTION for Meeting Summary Dated: April 13, 1937

Facility: Browns Ferry Nuclear Plant, Units 1, 2, and 3*

Docket File

NRC PDR
Local PDR
Projects Reading
CJamerson
SRichardson
BHayes, OI
SRConnelly, OIA
JZwolinski
ACRS (10)
FMiraglia
OGC-BETH
OPA
AIgnatonis, RII
GGears
JStang
JAxelrad
KBarr, RII
GZech, RII
JHolonich
SEbnetter
JKeppler
BDLiaw
WECampbell, OIA (Mail Stop EWS 461)
JDonohew
BKSingh
MFields
CPatterson, RI
CBrooks, RI
DTaylor, PII
EJape, RII
JMenning, RI

*Copy sent to persons on facility service list



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Mr. S. A. White
Tennessee Valley Authority

Browns Ferry Nuclear Plant
Units 1, 2, and 3

cc:
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ATTENDANCE LIST

TVA/NRC MEETING MARCH 12, 1987

BROWNS FERRY RESTART ISSUES

<u>Name</u>	<u>Organization/Title</u>
Stew Ebnetter	NRC/SPR - TVA Projects Director
M. J. May	BFN, Manager Lic.
Gerald Gears	NRC/SPR - Project Manager
John Stang	NRC/SPR- Project Manager.
Ronald Rogers	TVA - Licensing
J. D. Wolcott	BF's Regulatory Lic.
B. C. Morris	BF Site Licensing
Art Alford	BF Site Licensing
John Walker	BFN DSD
T. G. Chapman	Acting P.E.
Al Ignatonis	NRC/SPR- Div. of TVA Projects
K. P. Barr	NRC/SPR- Branch Chief
C. A. Patterson	NRC/SPR- RI
C. Brooks	NRC/SPR- PI
Lin Turner	BFN - Reg. Licensing
Glenn Morris	BFN Regulatory Licensing
Bill Hayes	BFN Regulatory Licensing
Steve Maehr	BFN Planning
Philip C. Mann	Employee Concern Program
G. R. Hall	BFN Employee Concern Program
D. Taylor	PII - Test Program
E. Jape	RII - Test Program
J. Stapleton	TVA - DNG (Advisor)
L. Lepisto	TVA - Asst. Dir., DNE
H. P. Pomehn	Site Director
T. Valerinzurio	TVA - BFN (Advisor)
R. L. Lewis	TVA - Plant Manager
T. Riley	TVA - Licensing (Contractor)
P. Carrier	TVA - Manager Compliance
R. McKenna	TVA - Project Management
D. Nye	TVA - Project Management
W. Hayes	TVA - Licensing
J. Greene	TVA - Restart Advisor
J. D. Martin	TVA - Asst. to Plant Manager
J. E. Menning	NRC/SPR- RI



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BROWNS FPPRY RESTART ISSUES

		50.54f Letter Item.	Vol. III Section
I.	Management (SPP)		
	A. Site Management Organization	Pierson 1	II.1, A.1.1 b, C
	B. Employee Concerns	Singh/Hooks -	II.2.7, D.8
	C. Employee Allegations	Stang -	
	D. NSRS Reports	Singh -	D.9, D.10
II.	Design Modification (SPR)		
	A. Seismic Design	Hermann 5	III.3
	B. Fire Protection	Stang 11	III.5
	C. Pipe Inspection/Repairs	Hermann -	III.7
	D. Contractor Recommendations	Stang 7	R
	E. Electrical Design Issues	Marinos/Garg-	II.4
	F. Structural Welding	Hermann -	III.6
III.	Design Control (SPR)		
	A. Environmental Qualification	Hubbard 8	III.1
	B. Quality Assurance	Gilray -	II.2.6, II.1.2.6, D.6
	C. Design Control (Configuration Control Management)	Liaw 6	III.2
IV.	Restart Inspection (SPR)		
	A. Regulatory Performance Improvement Program	Ignatonis 2	III.2.2, A.1.2
	B. Operational Readiness Program	Barr 2	III.9, A.1.2
	C. Training	Julian -	II.2.3
	D. Restart Test and Inspection	Taylor -	III.8
	E. Maintenance Improvement Program	Julian 3	II.4
	F. Physical Security Program	McGuire -	II.7
	G. Post Accident Sampling System	Kahle -	-
	H. MSIV Leakage Reduction Program	Ignatonis -	-
	I. Static O Ring	Ignatonis -	-
V.	Licensing Review (SPR)		
	A. Integrated Schedule	Gears 4	II.9.3
	B. Unit 2 Reload Modification Amendment (complete)	10	A.1.10a
	C. Appendix J Exemption	Hermann -	-
	D. Organizational Change Amendment	Goodman 10	-
	E. Independent Safety Engineering Group Evaluation	Pierson 9	II.1.2.7.1
	F. Cable Environmental Qualification Program (complete)	Hubbard 8	-

		50.54f Letter Item	Vol. III Section
V.	Licensing Review (continued)		
	(SPR)		
G.	Inservice Pumps and Valve Test Program	Hermann	-
H.	Technical Specification Clarification	Stang	-
I.	Radiological Environmental Technical Specifications RETS (complete)	Hulman	10 A.1.10e
J.	Operator Overtime (complete)		A.1.10d
K.	Offgas Monitors (complete)		A.1.10f
L.	RHR Crosstie (complete)		A.1.10c
M.	Operator Requalification (complete)		-
N.	PRA	Gears	-

03/12/87

I. MANAGEMENT

TVA Lead: S.Rudge
NRC Lead: R.Pierson

A. SITE MANAGEMENT ORGANIZATION

Management deficiencies defined as early as 1981-83. Early 1984 TVA developed a Regulatory Performance Improvement Program at NRC's request. Approved plan implemented in July 1984. RPIP not achieving intended goals to date. TVA has taken additional steps since program i.e. Replace Site Manager, Plant Manager, Maintenance Superintendent, Operations Superintendent. These actions being incorporated and still require NPC review.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Include Browns Ferry Site Management Organization and an explanation of the functions and responsibilities of each major organization in Nuclear Performance Plan - Volume 3 (Sections II.1, Appendix A.1.1.b and Appendix C(8-29-86)	TVA	Complete
2. Issue request for any additional information (RAI) needed (10/13/86, 10/21/86, 12/9/86).	NRR/IE/RII	Complete
3. TVA responses to RAI	TVA	2-15-87
4. Site Visit (if needed)	SPR	6/87
5. Prepare safety evaluation report (SE)	SPR	10/87

TVA CONTACT:
M. May
205-779-3566

NRC CONTACT:
J. Stang
301-492-9420
TAC# 62248



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03/12/87

I. MANAGEMENT

TVA Lead: S.Rudge
NRC Lead: B.K. Singh/K. Hooks

R. EMPLOYEE CONCERNS

Starting in March 1985, NRC received allegations from TVA employees regarding adequacy of construction at Watts Bar. Since March 1985, TVA has implemented an employee concerns program. These concerns are being reviewed for generic implications to all TVA plants. Less than 40% of the total received are Browns Ferry specific.

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1.	Informal presentation to NRC of Employee Concern Program (8-05-86)	TVA	Complete
2.	Formal Program Presentation to NRC Meeting at Bethesda, MD (8-12-86)	TVA	Complete
3.	Program submitted to NRC (8-19-86) Volume 3, Section III.2.7, Appendix D submitted (8/29/86)	TVA	Complete
4.	Browns Ferry management reviews investigations reports and Site Director determines needed corrective actions	TVA	9/86-5/87
5.	Submit lists (numerically and by category) of concerns in ECSP and new ECP (after 2-01-86).	TVA	Complete
6.	As TVA completes subcategories in ECSP, evaluate the adequacy of the implementation of TVA's actions and plans to address and resolve employee concerns that are specific and generic to Brown's Ferry.	SPR	4/87-8/87
7.	Evaluate new ECP concerning Browns Ferry	SPR	4/87
8.	Prepare SF.	SPR	10/87

TVA CONTACT:
M. May
205-729-3566

NRC CONTACT:
J. Stang
301-492-9420
TAC# 62739



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03/12/87

I. MANAGEMENT

TVA Lead: P.Mann
NRC Lead: J.Stang

C. EMPLOYEE ALLEGATIONS

Allegations are carried on the Allegation Management System. NRR and Region II each have lead responsibility for selected allegations. The allegations transmitted to TVA will be evaluated by the ECTG and related to employee concerns.

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1.	Review Allegations - determine if they are also employee concerns	SPR	11-30-86 (ongoing)
2.	Provide appropriate allegations to TVA (e.g., those allegations that can be transmitted without compromising confidentiality of alleder) (5/1/86, 5/13/86, 8/1/86, 10/16/86, 12/5/86, 12/12/86).	SPP	ongoing
3.	TVA responses	TVA	4/87-8/87
4.	Evaluate TVA responses and corrective actions	SPR	4/87-8/87
5.	Investigate other allegations (Those not transmitted to licensee)	SPR	9/86-8/87
6.	Prepare final report on pending allegations	SPR	10/87

TVA CONTACT:	NRC CONTACT:
M.May	J.Stang
205-729-3566	301-492-9420
	TAC # 63176



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03/12/87

I. MANAGEMENT

TVA Lead: M.Martin
NRC Lead: B.K. Singh

D. NSRS PROBLEMS

Nuclear Safety Review Staff (NSRS) is to function as an independent internal TVA organization responsible for providing a safety oversight function to a prescribed facility. NSRS is to document its findings and recommendations and provide them to TVA's appropriate facility line staff for action. The NSRS was dissolved and replaced by the Nuclear Managers Review Group (NMRG). NSRS and SWEC reports are incorporated into the employee concerns program (IB). Results of the new NMRG concerns (since 2/1/86) are inspected at the site by NRC. This action will be considered complete when the employee concerns action (IB) is complete. NPC is reviewing the function of this organization in light of new TVA management.

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1.	Review resolution of the new employee concerns	SPR	1/87-10/87

TVA CONTACT:
M. May
205-729-3566

NRC CONTACT:
J. Stang
301-492-9420
TAC# 62752



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03/12/87

II. DESIGN MODIFICATIONS

A. SEISMIC DESIGN TAC#s 60867/8/9

TVA Lead: D.Nye
NRC Lead: R.Hermann

As a result of TVA evaluations and Region II inspections in response to IE Bulletins 79-02 and 79-14 seismic design problems at Browns Ferry have been identified. These include: Cable tray sections and supports are not seismically qualified, lack of and inadequate design calculations for the supports installed for the RBCCW system, lack of seismic qualification concerning HVAC duct and supports, control rod drive frame and withdrawal insert lines not seismically qualified.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. <u>OVERALL SEISMIC PROGRAM</u> Volume 3, Section III.3		
a. Provide summary of overall seismic reevaluation program in response to NRC letter of 7-31-86 (partial response)	TVA	2/87
b. New artificial time history	TVA	4/87
c. Meeting (if needed)	SPP/TVA	TBD
d. Safety Evaluation (overall program including new artificial time history)		TBD
		TAC# 62259
2. <u>CABLE TRAYS</u>		
a. Submit UE&C Report describing recommended interim modifications for Unit 2 (5-02-86)	TVA	Complete
b. Meeting on program (5/14-5/15/86)	NRR/RII	Complete
c. Review above report on findings, analysis, calculations, and proposed modifications (for Unit 2 interim)	NRR	Complete
d. Prepare interim SF. (02/05/87)	NRP	Complete
e. Provide Program Summary Report	SPR	3/87
f. Complete 14 modifications	TVA	4/87
g. Confirm completion and Verify Compliance	TVA	TBD
h. Inspection/Report	SPR	TBD
		TAC#s 59517/8/9
3. <u>PIPING AND SUPPORTS (IE BULLETINS 79-02, 79-14)</u>		
a. Request additional information (7-31-86)	NRR	Complete

03/12/87

Seismic continued

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
	a.i. Provide Phase I interim program, interim operability criteria, long-term program, etc.	TVA	3/87
	a.ii. Variable Damping Telecon (11/18/86)	TVA/SPR	Complete
	b. Provide final report on Phase 1 program (79-02 & 79-14)	TVA	TBD
	c. Site visit	SPR	TBD
	d. Prepare SE	SPR	TBD
	e. Complete modifications	TVA	TBD
	f. Inspection/Report	SPR	TBD
			TAC# TBD
4.	<u>CONDUIT AND SUPPORTS</u>		
	a. Meeting on program (5-14-5/15/86)	NRR/RII	Complete
	b. Provide summary of program, summary of extensive test program at Wyle Labs, interim acceptance criteria and summary of the approximately 450 modifications (Need approval of interim criteria for restart)	TVA	3/87
	c. Evaluate program; site visit	SPR	TRD
	d. Prepare SE	SPR	TRD
	e. Complete modifications	TVA	5/87
	f. Inspection/Report	SPP	TRD
			TAC# TRD
5.	<u>CRD PIPING</u>		
	a. Provide summary of reanalysis of CRD insert and withdrawal piping systems, and submittal of corrective actions, (including 5% damping)	TVA	3/87
	b. Meeting with TVA, if necessary	SPR	TRD

03/12/87

Seismic continued

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
	d. Prepare SE (5% dumping plus CRD)	MPR	TBD
	e. Complete modifications	TVA	5/87
	f. Inspections/Reports	SPR	TBD
			TAC # TRD
6.	<u>HVAC CONCERNS</u>		
	a. Support summary of reanalysis program and modifications to systems	TVA	3/87
	b. Complete modifications	TVA	TBD
	c. Inspection/Report	SPR	TBD
7.	<u>TORUS MODIFICATIONS</u>		
	a. Complete modifications	TVA	Complete
	b. Inspections Report (Projected fill date for adding water into torus: mid October 1986)	RII	Complete
	c. Complete Vent Header Work	TVA	
	d. Supplemental Inspections/Reports	SPR	7/87
8.	<u>TORUS ATTACHED PIPING</u>		
	a. Complete modifications*	TVA	3/87
	b. Inspection/Report	SPR	4/87
9.	<u>SMALL BORE PIPING</u>		
	a. Small Bore Piping Summary/Overview Report of Program	TVA	3/87

03/12/87

Seismic continued

	MAJOR TASK	<u>RESPONSIBILITY</u>	<u>DATE</u>
b.	Provide Supplemental Information	TVA	TBD
c.	Prepare SE	SPR	TBD
d.	Modifications	TVA	TBD
e.	Inspection/Report on Modification	SPP	TBD
10.	Secondary Containment (Penetrations)		
a.	Provide Status of Resolution for This Item	TVA	4/87

TVA CONTACT:
J. Wolcott
R. Lewis
205-729-2689

NRC CONTACT:
G. Gears
301-402-4993

03/12/87

II. DESIGN MODIFICATIONS

TVA Lead: J.Kern
NRC Lead: J.Stang

P. FIRE PROTECTION

The revised TVA plant fire hazards analysis was submitted on 01/31/86 and is under NRC review. This submittal and proposed subsequent submittals include requests for several exemptions and a description of the alternate shutdown system and a number of modifications which are required to bring Browns Ferry into compliance with Appendix R. The Nuclear Performance Plan, Volume 3, Section III.5 was submitted on August 29, 1986. Also Technical Specifications concerning Fire Protection will be submitted for review and approval.

	<u>MAJCP TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1.	<u>APPENDIX R</u>		
a.	Submit "Appendix R Fire Protection and Safe Shutdown Systems Analyses" NEDC 31119 (1-31-86)	TVA	Complete
b.	Site visit (6/23-6/24/86)	NRR/RII/IE	Complete
c.	Request for additional information (8-07-86)	NRR	Complete
d.	Prepare draft SE (10/29/86)	NRR	Complete
e.	Response to RAI (11/21/86)	TVA	Complete
f.	Prepare fire protection emergency procedures	TVA	5/87
g.	Meeting (12/10/86)	NRR	Complete
h.	Site Visit agenda by TVA - (1/12/87)	NRR	Complete
i.	Site visit (3/10/87)	NRR	Complete
j.	Complete 2/3 of modifications	TVA	6/87
k.	Complete training on revised procedures for at least 2/3 of plant staff	TVA	6/87

Fire Protection continued

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
n.	Pre-audit	SPR	5/87
o.	Complete 95% modifications and 100 % training	TVA	7/87
p.	Inspection	SPR	7/87
q.	Additional Modification 5% and Additional Follow Up Inspection Open Item	SPR	9/87
r.	Following Inspection Open Item	RII	10/87

TAC#s 60627/8/9

2. EXEMPTIONS TO APPENDIX R

a.	Submit revised technical exemption request (11/21/86)	TVA	Complete
b.	Site Visit (3/10/87)	NRR/IE/RII	Complete
c.	Submit Additional Information (deviations) and additional exemption	TVA	3/87
d.	Prepare technical exemption package	SPR	4/87
e.	Issue exemption package	SPR	5/87

TAC#s 61124/5/6

3. SAFF SHUTDOWN REVIEW

a.	Meeting in Bethesda to Discuss Open Items From Draft SE	NRC/RII/TVA	3/23/87
b.	Prepare SE		5/87
c.	Issue SE		6/87

4. FIRE PROTECTION PROGRAM (VOLUME 3.III.5)

a.	Meeting (12/10/86)	NRR/IE/RII	Complete
b.	TVA Response	TVA	5/87
c.	Prepare SE	SPR	6/87
d.	Issue SE	SPR	7/87

TAC# 62261



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5. NEW FIRE PROTECTION PLAN (GL 86-10)

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|--|-----------------|------|
| a. Submit proposed Amendment (3/10/87) | TVA | 5/87 |
| b. Prepare Sholly Notice | SPR | 6/87 |
| c. Prepare SE | SPR | 7/87 |
| d. Issue Amendment | SPR
TAC# TBD | 8/87 |

TVA CONTACT:	NRC CONTACT:
J. Wolcott	J. Stang
205-729-2689	301-492-9420

II. DESIGN MODIFICATIONS

C. PIPE INSPECTION, STRESS RELIEVING, REPAIRS

TVA Lead: E.Hartwig
NRC Lead: R.Hermann

In response to Generic Letter 84-11 TVA submitted a report based on the current Unit 2 outage inspection of all accessible welds. NRC is reviewing this report.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Submit response to Generic Letter 84-11 (06-07-84)	TVA	Complete
2. Review response to GL 84-11; request additional information (03-26-86)	NRR	Complete
3a. Partial Response to NRC March 26, 1986 letter (11/10/86)	TVA	Complete
b. TS Amendment change request (12-15-86)	TVA	Complete
*4. Provide results of recirculation system, RHR core spray and RWCU examinations, repairs and IHSI (03-11-86) Supplemental Response due	TVA	TRD
5. Inspect recirculation system UT examinations, weld overlay repairs and IHSI (05-23-86)	RII	Complete
6. Provide report of recirculation nozzle safe-end inspections (LER 260/86010) (08-01-86)	TVA	Complete
7a. Meeting with TVA/Region II on replacement program repairs and IHSI program which were submitted	NRR	Complete

03/12/87

- | | | |
|---|-----|-----------------------|
| 7b. Provide GL 84-07 Response on Safe-ends (11-20-86) | TVA | Complete |
| 8. Inspect safe-end replacements | SPR | 11-18-86
- 2-28-87 |
| 9. Issue amendments on unidentified leakage | SPR | 4-15-87 |

Pipe Inspection, Stress Relieving, Repairs continued

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
10. Provide response to comments on Section III 7.0 requested by NPC letter of 10-03-86	TVA	3/87
11. Review TVA's overall program to detect and mitigate IGSCC; issue SE	SPR	TBD
12. Issue Supplemental SE on Supplemental Inspections and Region Program	SPR	TBD

TVA CONTACT:
P. Carrier
205-729-2636

NRC CONTACT:
G. Gears
301-492-4993
Unit 2 TAC# 61049
Section III.7, Volume 3,
TAC# 62263



II. DESIGN MODIFICATIONS

TVA Lead: R.Smith
NRC Lead: J.Stang

D. CONTRACTOR RECOMMENDATIONS

TVA hired contractors to evaluate (a) operation maintenance and reliability of major plant systems, (b) the Technical Specifications, and (c) management organization. During a meeting at BFN on 10/14/86 the NRC staff recommended that TVA expand its present scope, as defined in the NPP Volume 3, Appendix B of looking at contractor recommendations. This expanded scope should include additional contractors.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Include in Nuclear Performance Plan - Volume 3 the proposed disposition of contractor recommendations (8-29-86)	TVA	partially complete
2. Provide summary of the most significant recommendations by major contractors and TVA's proposed disposition/action on these recommendations. Include cross-references to Volume 3 and schedule for completion of TVA actions (12/16/87).	TVA	Complete
3. Evaluate whether TVA's proposed actions (a) prior to startup of a unit, and (b) in the longer term, are appropriate	SPR	3/87
4. Site visits (as appropriate)	SPP	
5. Issue Safety Evaluation	SPR	10/87

TVA CONTACT:
B.Morris
205-729-2651

NRC CONTACT:
J.Stang
301-492-9420
TAC# 62741

II. DESIGN MODIFICATIONS

TVA Lead: Raughley/Faulkner

NRC Lead: E.Marinis/H.Garg

F. ELECTRICAL DESIGN ISSUE

As a result of inspections and studies conducted by TVA in response to NRR generic programs, a number of problems relating to the electrical distribution system have been identified. EQ requirements and Appendix P modifications must be considered in the overall solution.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Provide general description of electrical calculations program in Nuclear Performance Plan - Volume 3, Section III.4 (8-29-86)	TVA	Complete
2. Meeting to discuss areas requiring reanalysis to demonstrate capability for restart, safe operation and safe shutdown of Unit 2 (12/10/86).	NPP/TVA	Complete
3. Perform electrical calculations and long-term program	TVA	12/86-6/87
4. Draft input by TVA in selected areas	TVA	4/87
5. Meeting on Electrical Calculation Program	SPR	4/87
6. Site visit		5/87
7. Provide any questions needed to clarify this issue	SPR	6/87
8. Provide responses to NRC questions	TVA	7/87
9. Perform necessary modifications	TVA	10/87
10. TVA submit results of calculations in form of summary report	TVA	4/87
11. Final Report		9/87
12. Inspect modifications	SPR	10/87
13. Review electrical calculations	SPR	9/87
14. Complete SE based upon inspections and calculations	SPR	10/87

TVA CONTACT:
J.Wolcott
205-729-2689

NRC CONTACT:
J.Stang
301-492-9420
TAC# 62260



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03/12/87

II. DESIGN MODIFICATIONS

F. WELDING

TVA Lead: D.Nye
NRC Lead: R.Hermann

As a result of allegations and employee concerns raised at other TVA sites, the welding program at BFN is under question. The licensee is submitting for staff review and approval, prior to start-up, reports mapping out the welding reinspection program, discovered deficiencies and the appropriate fixes.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Describe welding reinspection program in Volume 3, Section III.6 NPP (8-29-86)	TVA	Complete
2. Request for additional information (10-3-86)	NRR	Complete
3. TVA response to RAI and submittal of reinspection program (2/6/87)	TVA	Complete
4. Submit Phase I report (2/6/87)	TVA	Complete
5. Prepare RAI on Phase I Report	SPR	4/87
6. TVA Response to PFI	TVA	5/87
7. Site visit to review reinspection program (NRC to supply agenda)	SPR	5/87
8. Submit Phase II report	TVA	4/87
9. Review Phase I and II reports	SPR	8/87
10. Inspection	SPR & contractor	8/87
11. Issue Inspection Report	SPR	9/87
12. Prepare SE	SPR	10/87

TVA CONTACT:	NRC CONTACT:
J.Wolcott	J.Stang
205-729-2689	301-492-9420
	TAC# 62262

III. DESIGN CONTROL

TVA Lead: E.Hill

III. A. ENVIRONMENTAL QUALIFICATION PROGRAM

NRC lead: G.Hubbard

TVA implementation of the EQ Rule 10 CFR 50.49 at BFN does not comply with the regulations. Documentation problems that prompted shutdown of the Sequoyah units and the cable qualification problem identified initially at Watts Bar also exist at Browns Ferry.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1a. Describe EQ program and status in the Nuclear Performance Plan - Volume 3, Section III.1 (8-29-86)	TVA	Complete
1b. Provide questions/comments on above.	IE	Complete
2. Conduct a preliminary audit of documentation packages for selected pieces of equipment (11/20/86)	NRR/IE/RII	Complete
3. Provide schedule for completion of EQ package (30%-50%-90%) (2/13/87)	TVA	Complete
4. Conduct an inspection of TVA's program to implement 10 CFR 50.49	SPR	5/11-5/15
Subtasks:		
a. Follow up on audit findings		
b. Review selected packages for completeness		
c. Review programs to maintain qualification status		
d. Physical verification of as-installed condition		
e. Review corrective actions for Westec findings		
f. Review internal procedures for implementing 10 CFR 50.49		
g. Review resolution of employee concerns on EQ		
5. Write SE input to support startup (Write-up will identify issues that remain as potential enforcement items/unresolved items/open items)	SPR	TPD

III. A. ENVIRONMENTAL QUALIFICATION PROGRAM

cont.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
6. TVA Certification that program is complete	TVA	TBD
7. Reinspect corrective actions and perform final review of related documentation packages	SPR	TBD
8. Evaluate TVA 10 CFP 50.49 certification submittal	SPR	TBD
9. Write final inspection report	SPR	TBD
10. Prepare supplement to SE	SPR	TBD

TVA CONTACT:
J. Wolcott
205-729-2689

NPC CONTACT:
G. Gears
301-492-4993
TAC# 62257



03/12/87

III. DESIGN CONTROL

TVA Lead: G. Turner

III. B. QUALITY ASSURANCE PROGRAM

NRC Lead: Gilray

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Submit QA organization and responsibilities in Nuclear Performance Plan, Volume 3, Section II.2.6, II.1.2.6, D-6 (8-29-86)	TVA	Complete
2. Submit revision to QA topical report including response to NRC questions (11/14/86)	TVA	Complete
3. Review revised QA topical report (1/30/87)	IE	Complete
4. Itemized verification by direct inspection of selected items contained in the Browns Ferry Performance Plan	SPR	4/87
5. Itemized verification by direct inspection of selected items contained in the Corporate Nuclear Performance Plan ()	SPR	6/87
6. Assessment of corrective action program at Browns Ferry relative to audit findings and other TVA identified problem areas	SPR	4/87
7. Assessment of TVA's ability to identify problems and to correct those problems	SPR	4/87
8. Prepare SE Input	SPR	4/87
9. Complete inspection report	SPR	6/87
10. Issue SE	SPR	10/87

TVA CONTACT:
M. May
205-729-3566

NRC CONTACT:
J. Stang
301-497-9420
TAC #62736

03/12/87

III. DESIGN CONTROL

C. CONFIGURATION CONTROL MANAGEMENT

TVA Lead: W.Pattison
NRC Lead: B.D. Liaw

TVA must establish a plant configuration baseline and a design change and plant modification process which will always be controlled such that the present plant configuration is always known. TVA must consider impact of modifications on the existing plant.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Provide response to 50.54(f) letter, Item B.6 on design control in Nuclear Performance Plan - Volume 3 (8-29-86)	TVA	Complete
2. Provide questions/comments on above (10-3-86)	NPR/IE	Complete
3. Meeting for TVA to present programmatic description of Browns Ferry Design Baseline and Verification Program (12/9/86)	TVA/IE/NRR/ PII	Complete
4. a. Submit DBVP and revised Volume 3 addressing staff questions in response to Item 2 above (partial response) (3/13/87).	TVA	Complete
b. Revised Submittal and Response to Item 2.	TVA	4/87
5. Review and evaluate TVA's response to the 50.54(f) letter, Item B.6 and evaluate DBVP and approve DBVP scope.	SPR	5/87
6. Inspection to assess DBVP implementation of ECN reviews and system walkdwns.	SPR	4/87

III. C. CONFIGURATION CONTROL MANAGEMENT
cont.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
7. From review Design Control Program at Browns Ferry, prepare draft SE.	SPR	05/87
8. TVA Project Staff and EA complete review of remaining 2/3 of ECNs.	TVA	05/87
9. Inspection of completed DRVP.	SPR	05/87
10. Inspection of TVA Calculation Review Program (if necessary).	SPR	06/87
11. Issue System Evaluation Reports (SYSTEMS) and identify corrective actions that are pre and post-restart.	TVA	06/87
12. Inspection to assess TVA System Evaluation Reports and restart determinations.	SPR	07/87
13. Complete corrective action for restart items.	TVA	08/87
14. Follow-up inspection for close-out of design control related items and assessment of TVA corrective actions (if necessary).	SPR	08/87
15. Provide final SE.	SPR	09/87

TVA CONTACT: NRC CONTACT:
J. Wolcott G. Gears
205-729-2689 301-492-4993
TAC #62258

TAC #62258

IV. RESTART INSPECTION

TVA Lead: R.Smith

A. REGULATORY PERFORMANCE IMPROVEMENT PLAN NRC Lead: A.Ignatonis

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Include in Nuclear Performance Plan Volume 3, Section III.2.2 the programs which address RPIP items (8/22/86)	TVA	Complete
2. Review outstanding RPIP items to determine which item (complete or incomplete) should be included in the NPP-Volume 3) (10/21/86)	RII	Complete
3. Verify each of the above items judged to be included are included in the NPP	RII	Complete
4. TVA to supplement original submittal	TVA	12/86
5. RII to verify each of the above items judged to be included are included in NPP	SPR	1/87
6. TVA to include RPIP items in Volume 3	TVA	TBD
7. Verify each of those items is implemented part of the NPP (Not a separate effort).	SPR	TBD
8. Issue an order to TVA confirming that the RPIP is closed and the open item will be completed as part of NPP	SPR	TBD

TVA CONTACT:
B.Morris
205-729-2691

NRC CONTACT:
A.Ignatonis
243-0341 (FTS)
TAC #62740



F. 4. 4.

IV. RESTART INSPECTION

TVA Lead: Vatter/Pomrehn
NRC Lead: K.Barr

B. OPERATIONAL PEADINESS PROGRAM (ORP)

1. NRC ASSESSMENT

Assess TVA's management, implementation of programs, corrective actions, and commitments as described in Volume 3 NPP.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
a. Describe Operational Readiness Program in Nuclear Performance Plan, Volume 3, Section III.9 (8-29-86)	TVA	Complete
b. Develop policy position regarding implementation of ORP (Draft)	TVA	11/86
c. Develop review of ORP portion of Nuclear Performance Plan (Meeting)	SPR	12/87
d. Meet to programmatically review Operational Readiness Plan (with SMT)	TVA/NRC	1/87
e. Provide detailed ORP to NRC.	TVA	
f. Review HP Program to determine acceptability of equipment, personnel, procedures, etc.	SPR	
g. Review Open Items List (OIL) for issues that must be resolved/corrected prior to operation		
h. Review outstanding NUREG-0737 issues and determine acceptability of TVA action		
i. Review licensee procedures and training and assure proper assessment of 10 CFR 50.59 issues and potentially reportable occurrences under 10 CFR 21, 50.72 and 50.73		
j. Review licensee procedures and implementation of corrective actions as committed to in Nuclear Performance Plan		
k. Review implementation of site security plan		

IV. B. OPERATIONAL READINESS PROGRAM (ORP) cont.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
l. Review adequacy of interface controls between units, including temporary alternation controls		
m. Review operating, emergency operating, and surveillance procedure adequacy		
n. Review plant modifications since last shutdown to determine if additional testing needed		
o. Review surveillance test results to assure readiness to change mode		
p. Inspect operator actions while making system lineups for operation		
q. Final Inspection report		
2. <u>TVA PROGRAM*</u>		
a. Verify that TVA has properly identified NPP Requirements		
b. Verify that TVA has closed NPP requirements		
c. Verify that appropriate performance objectives are identified for each organization		
d. Verify that criteria for meeting objectives are defined and acceptable		
e. Interim review of Phase I program report		
f. Review of Phase II (Final) program report		
g. Inspection of ORP		
h. SER input		
i. Issue SE		

*Tentative milestones: List to be finalized by RII/NRR

TVA CONTACT:
M. May
205-729-3566

NRC CONTACT:
A. Ignatonis
242-0341 (FTS)
TAC# 62265

IV. RESTART INSPECTION

TVA Lead: R.Jones
NRC Lead: C.Julian

C. TRAINING

Determine adequacy of plant operations staff training program.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Verify that the requalification program has been successful in maintaining the competency of license operators for restart and safe operation.	R II	
- Audit TVA requalification program completed 3/13/86		Complete
- Repeat audit of requalification program (reactor systems)		
- Conduct requalification evaluations of the first training group (approximately June 16, 1986)		Complete
- Conduct requalification evaluations of the second training group (1/ /87)		Complete
- Conduct requalification evaluation of the third training group.		8/87
- Complete examination report		2/87
- Conduct requalification evaluation of the third group		8/87
2. Training assessment to determine the effectiveness of licensed and unlicensed operator training		3/87
- Inspection		4/87
- SE input		4/87
- Issue inspection report		4/87
3. Issue final SE on training activities		8/87

TVA CONTACT:
B.Morris
205-729-2691

NRC CONTACT:
A. Ignatonis
242-0341 (FTS)
Volume 3, Section II.2.3
TAC# 62738

IV. RESTART INSPECTION

TVA Lead: R.McKeon

D. RESTART TEST AND INSPECTION PROGRAM

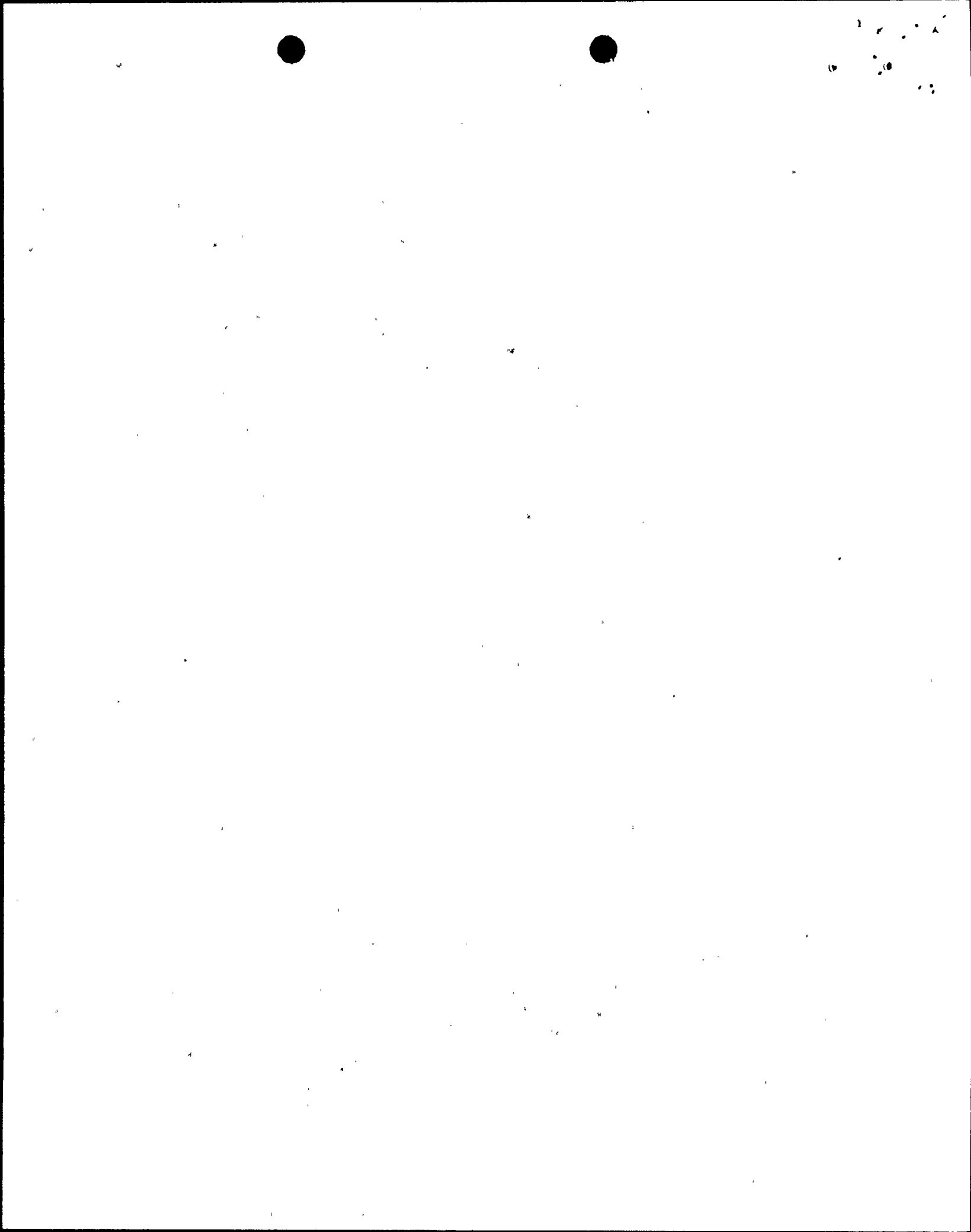
NRC Lead: P.Taylor

The restart test and inspection program will be patterned after preoperational test programs performed by utilities prior to licensing. Because of the outage time and a reestablishment of plant systems baseline this type of test and inspection program has become necessary. Modifications performed over the years have altered the original plant design enough for TVA and the NRC staff to realize the need for this type of program to assure systems are capable of performing their intended safety function and to work out the systems interaction "bugs".

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Describe restart test program in Nuclear Performance Plan - Volume 3, Section III.8 (8-29-86)	TVA	Complete
2. Develop restart test program and schedule (10-7-86)	TVA	Complete
3. Review licensee plan to determine adequacy of pre-operational test program	NRR/RII	1/87
4. Provide comments/questions on restart test program		2/87
5. Meet to review scope, test specs, punch list of restart test program	TVA/NRC	2/87
6. Develop test specifications and procedures	TVA	5/87
7. Develop inspection schedule for pre-operational test program		4/87
8. Conduct inspections of pre-operational program		
9. Provide SE Input to support startup		
10. Develop schedule to provide 24-hour coverage during startup		
11. Conduct inspections during startup		

TVA CONTACT:
M.May
205-729-2689

NRC CONTACT:
A.Ignatonis
242-0341 (FTS)
TAC# 62264



IV. RESTART INSPECTION

TVA Lead: T.Ziegler

NRC Lead: C.Julian

E. MAINTENANCE IMPROVEMENT PROGRAM

Because of problems with maintenance activities which cover the full spectrum of maintenance planning, implementing an effective scheduling process, coordinating maintenance efforts, using proper procedures for performing maintenance and correct and completely performing maintenance, TVA has been required to upgrade and redevelop all of the aforementioned aspects of their maintenance program prior to restart.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Describe maintenance program in Nuclear Performance Plan - Volume 3, Section II.1 (8-29-86)	TVA	Complete
2. Review TVA approach for response to Generic Letter 83-28, covering incorporation of Vendor Manuals, and recommendations into Maintenance Procedures	SPR	TBD
3. Submit details of Maintenance Improvement Program	TVA	2/87
4. Meet to review program	TVA/SPR	3/87
5. Review maintenance section reorganization for qualification and adequacy	SPR	4/87
6. Review maintenance equipment history tracking history program	SPR	4/87
7. Evaluate control of vendor manual implementation schedule for adequacy	SPR	4/87
8. Review maintenance sections personnel training program	SPR	4/87
9. Evaluate adequacy of modification control program	SPR	4/87
10. Evaluate planning and scheduling coordination of maintenance activities	SPR	4/87
11. Prepare SE inputs	SPR	5/87
12. Prepare inspection reports	SPR	5/87

TVA CONTACT:
B.Morris
205-729-2691

NRC CONTACT:
A.Ignatonis
242-0341 (FTS)
TAC# 62251

IV. RESTART INSPECTION

TVA Lead: R.Jackson
NRC Lead: A.Ignatonis

F. PHYSICAL SECURITY PROGRAM

Browns Ferry received a SALP Category III for the past three years in the area of security, and has additionally received several enforcement actions; as a result, the NRC staff has required TVA to upgrade the BFN Security Plan. This revised plan needs to address staffing levels, experience personnel, moral and personnel performance, controlling access to vital areas and participation by all TVA employees to respect and abide by the security program.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Review Security Corrective Actions in Licensee's NPP	SPR	4/87
2. Audit Licensee's Identified Deficiencies	SPR	4/87
3. Evaluate "Employee Concerns" Regarding Security	SPR	4/87
4. Evaluate Impact of NUREG-1154	SPR	4/87
5. Inspect Training Plan for Security Force	SPR	4/87
6. Review Licensee's use of Compensatory Measure	SPR	4/87
7. Analyze Licensee's Corporate Audits	SPR	4/87
8. Evaluate TVA's resolution of Clearance Control Problem and close out of CAL.	SPR	4/87
9. Inspection Report/SE Input	SPR	4/87
10. Issue SE	SPR	T&P

TVA Contact:
B.Morris
205-729-3604

NRC CONTACT:
A.Ignatonis
242-0341 (FTS)
Volume 3, Section II.7
TAC# 62254



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03/12/87

IV. RESTART INSPECTION

G. POST ACCIDENT INTERIM SAMPLING SYSTEM (PASS)

TVA Lead: D.Mims
NRC Lead: J.Kahle

TVA has provided core damage procedures for the interim PASS, and Region II has inspected. TVA will redesign the PASS. The review of the new pass system is not a restart issue.

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1.	Review PASS procedures (8-6-86)	NRR	Complete
2.	Inspect interim PASS procedures (5-20-86)	RII	Complete
3.	Conduct training of operators on present system	TVA	Complete
4.	Inspection of training (2/87)	RII	Complete
5.	Inspection report on training	SPR	3/87
6.	Conduct test of system when at power	TVA	TBD

NOTE: Redesigned PASS submitted 12/19/86. Criterion 6 to be submitted 3/31/87. This new design is not a restart issue.

TVA CONTACT:
P.Carier
205-729-2636

NRC CONTACT:
A.Ignatonis
242-0341 (FTS)
TAC# 62253

03/12/87

IV. RESTART INSPECTION

H. MSIV LEAKAGE REDUCTION PROGRAM

TVA Lead: T.Ziegler
NRC Lead: A.Ignatonis

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Provide summary of TVA actions to improve MSIV leakage	TVA	Complete
2. Evaluate TVA's actions to reduce MSIV leakage (Telecon 1-15-87)	RII/NRR	Complete
3. Conduct inspection to determine adequacy of repairs (LLRT's) prior to startup of each unit	RII	Complete
4. Prepare Inspection Report	SPR	Complete

TVA CONTACT:
P.Carier
205-729-2636

NRC CONTACT:
A.Ignatonis (RII)
242-0341 (FTS)
TAC# 63323



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03/12/87

IV. RESTART INSPECTION

TVA Lead: R. Burns
NRC Lead: Aignatonis

I. STATIC O-RINGS

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1.	Issue IE Bulletin 86-02	RIT	complete
2.	Identify where SOR switches are used at BFN (in RHR Min. Flow (8-15-86) Control Logic, not RPV level)	TVA	complete
3.	Final Response to IE Bulletin 86-02	TVA	7-18-87
4.	Inspection Report	SPR	7-18-87

TVA CONTACT:
J. Bennett
205-729-2677

NRC CONTACT:
A. Ignatonis (RIT)
242-0341 (FTS)
TAC #63179



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03/12/87

V. LICENSING REVIEW

TVA Lead: S.Maehr
NRC Lead: G.Gears

A. SCHEDULE FOR PLANT MODIFICATIONS*

TVA has been requested to develop an integrated schedule which will require the licensee to coordinate efforts between the three BFN units. In the past TVA has been inudated with backlogs of maintenance work and has had trouble controlling work efforts between units. The NRC staff believes that, as a first priority, TVA should develop a living schedule of all Unit 2 restart issues, as a second priority a schedule which coordinates efforts for restarting Units 1 and 3 while operating Unit 2 during its first cycle after restart, and as a third priority develop an integrated schedule of the first two aforementioned schedules.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Discuss plans for Integrated Schedule in Nuclear Performance Plan - Volume 3, Section II.9.3 (8-29-86)	TVA	Complete
2. Meet** to discuss process guidelines, criteria, etc. for scheduling and integrating work on Units 1 and 3 after restart of Unit 2 and for completing future (after cycle 5) work on Unit 2 (1/29/87)	TVA/NRR/IE	Complete
3. OSP Meeting to review Proposed Commitments	SPR	4/87
4. Prepared draft evaluation of proposed commitments	SPR	4/87
5. Develop schedule for restart of Units 1 and 3	TVA	TRD
6. Prepare Final evaluation on proposed committment schedule	SPR	6/87

*The original issue has been replaced by Volume 3, Section II.9.3

**TVA will present schedules following the January licensing issues meeting- NRR to provide agenda

TVA CONTACT:
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205-729-2689

NRC CONTACT:
G.Gears
301-492-4993
TAC#s 55395/6/7

03/12/87

V. LICENSING REVIEW

B. UNIT 2 RELOAD MODIFICATION AMENDMENT

This amendment authorizes TVA to operate Unit 2 at full power during the upcoming cycle.

	<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1.	Issue amendment (8-19-86)	NRR	Complete
2.	Amendment corrections-prepare letter (1/13/87)	NRR	Complete

TVA CONTACT:

NRC CONTACT:
J. Stang
301-492-9420
TAC# 55653

03/12/87

V. LICENSING REVIEW

TVA Lead: D.Nye
NRC Lead: R.Hermann

C. APPENDIX J EXEMPTION

TVA relooking at plant configuration to determine if containment boundaries need to be redefined, which would result in the need for leak rate testing of the new boundary valves. The licensee must determine the need for a one cycle exemption for these newly defined containment boundary valves. NRC will evaluate.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Submittal of Exemption Request (11-20-85)	TVA	Complete
2. Request for additional information (8-7-86)	NRR	Complete
3. Respond to NRC request for additional information	TVA	Complete
4. TVA to complete modifications and request schedular exemptions* if still needed.	TVA	3/87
5. Inspection of leak rate testing	SPR	

*This could be a critical path item if the exemption is not complete as submitted.

TVA CONTACT:	NRC CONTACT:
J.Bennett/J.Wolcott	G. Gears
205-729-2677	301-492-4993
	TAC# 60251



V. LICENSING REVIEW

TVA Lead: J.Wolcott
NRC Lead: C.Goodman

D. ORGANIZATIONAL CHANGE AMENDMENT

TVA has requested an amendment to revise the organizational structure presently described in the Technical Specifications. Due to continuing management changes TVA should provide an updated request. This is a restart issue in that the NRC staff must review the structure and proper functioning of the new organization. The Technical Specifications change itself is an administrative fallout from the review of TVA management.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Provide response to NRR comments (12/10/86)	TVA	Complete
2. Prepare SE	NRR	Complete
3. TVA to provide Tech Spec Pages	TVA	3/87
4. Issue amendment	SPR	4/87

TVA CONTACT:
J.Wolcott
205-729-2689

NRC CONTACT:
J.Stang
301-492-9420
TAC#s 56027/8/9

03/12/87

V. LICENSING REVIEW

E. INDEPENDENT SAFETY ENGINEERING GROUP

TVA Lead: P.Shell
NRC Lead: R.Pierson

Because of a breakdown in assuming quality and safety at BFN, TVA committed to implement an Independent Safety Engineering Group assigned duties as described in NUREG-0737, Item I.B.1.2. This group was implemented in July 1984. Experience has shown that management failed to support ISEG and as a result the groups efforts were relatively futile. Prior to restart BFN is to have a fully functioning ISEG group.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Describe duties, responsibilities, and organizational status of the proposed ISEG, in Nuclear Performance Plan, Volume 3, Section II.1.2.7.1 (8-29-86)	TVA	Complete
2. TVA make implementing procedures available (2/87)	TVA	Complete
3. TVA confirms ISEG is staffed	TVA	TBD
4. Review the duties, responsibilities, and organizational status of the proposed ISEG	SPR	TBD
5. Prepare SE	SPR	TBD

TVA CONTACT:
M.May
205-729-3566

NRC CONTACT:
G.Gears
301-492-4993
TAC# 62737

V. LICENSING REVIEW

TVA Lead: R.Martin

F. CABLE ENVIRONMENTAL QUALIFICATION PROGRAM NRC Lead: G.Hubbard

BFN electrical cables do not have appropriate QA records. Cables inside drywell have been replaced or qualified. Cables located in the reactor building (other than the drywell) will require extensive efforts to qualify or replace. TVA is proposing to qualify the latter cables by the GE method of similarity.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Submit NEDE 31302P-1 and request NRC approval of method of qualification	TVA	Complete
2. Review TVA submittal and prepare SE	IE	1/30/87
3. Meeting on RAI (Not needed)	NA	NA
4. Response to RAI (Not needed)	NA	NA
5. Issue SE (3/6/87)	NRR	Complete

TVA CONTACT:
J.Wolcott
205-729-2689

NRC CONTACT:
G. Gears
301-492-4993
TAC#s 61274/5/6



03/12/87

V. LICENSING REVIEW

G. INSERVICE PUMP AND VALVE TEST PROGRAM

TVA Lead: D.Mims
NRC Lead: R.Hermann

TVA has submitted a revise pump and valve program in response to NRC initiatives.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Submit pump and valve test program (10/85)	TVA	Complete
2. Submit revision to above program (12/23/86)	TVA	Complete
3. Meet to review program (if necessary)	NA	NA
4. Submit Revised Tech. Spec.	TVA	TBD
5. Complete review of TVA's submittal describing the revised pump and valve test program	SPR	6/87
6. Prepare SE and issue amendment (if needed)	SPR	7/87

TVA CONTACT:
G.Norris/J.Wolcott
205-729-3585

NRC CONTACT:
G. Gears
301-492-4993
TAC #s 11324/5/6



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03/12/87

V. LICENSING REVIEW

H. TECHNICAL SPECIFICATION CLARIFICATION

TVA Lead: J.Wolcott
NRC Lead: J.Stang

On October 14 the NRC staff reviewed with TVA TS items that the staff felt a resolution was needed prior to restart. This list is attached (see next page). The NRC staff encourages TVA to take an aggressive role in independently reviewing the present TS for additional issues whether they are related to restart or not. TVA should identify and add to the enclosed list those which are restart issues.

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Prepare list of TS items that require* changes (11-19-86)	TVA/RII	Complete
2. Verify Restart issues (meeting in Bethesda) 4/1-4/2/87	SPR	Complete
3. Submit TS change requests	TVA	6/87
4. Prepare Sholly Notice(s)	SPR	7/87
5. Prepare SE(s)	SPR	9/87
6. Issue amendment(s)	SPR	10/87

*List of restart items on next page taken from "Status of BFN TS Actions" Rev. 3 (1/7/87).

TVA CONTACT:
J.Wolcott
205-729-2689

NRC CONTACT:
J.Stang
301-492-9420
TAC# 63177

V. LICENSING REVIEW (Continued)

H. T.S. REQUIRED FOR RESTART

Finalize & TS. Restart List
TO BE APPROVED AT
April 23, 1987 MEETING

R - Restart
 RS - Restart, Submittal
 C - Complete

NO.	DESCRIPTION OF NRC CONCERN REGARDING BFN TS	STATUS	REMARKS	SCHEDULE
2.	Table 3.1.A, APRM High Flux and Inoperative trip function	Proposed TS change PORC reviewed.	R	2/06/87
3.	LCO 3.3.B.3 clarification of RWM operability requirements.	TS 220 submitted on June 6, 1986.	R	C
9.	Lists of primary containment penetrations	Proposed TS change approved for submittal. Awaiting TS retyping.	RS	2/02/87
10.	Minimum plant staff, Administrative Control 6.8.A.	TS 201 submitted on January 17, 1986.	R	C
16.a	Performance of certain tests require reactor mode switch to be in a position not permitted by the	BFN submit proposed TS change.	R	3/13/87
16.c	TS 3/4.5.C for RHRSW system is confusing.	Proposed TS change being prepared.	R	3/06/87
22.	Onsite organization shown in Administrative Controls is not current.	TS 201 Supplement 3 submitted on 12/10/86	R	C
24.	LCO 3.6.C.1.6 and SR 4.6.C.1 should require drywell leakage rate measurement every 4 hours.	TS 222 submitted on 12/15/86.	R	C

V. LICENSING REVIEW (Continued)

H. T.S. REQUIRED FOR RESTART

FINALIZED TS. Restart List
TO BE APPROVED ON 4/23/87.

R - Restart
RS - Restart, Submittal
C - Complete

NO.	DESCRIPTION OF NRC CONCERN REGARDING BFM TS	STATUS	REMARKS	SCHEDULE
E.	Correct Table 3.2.A for SGTS	Preparing proposed TS change.	R	4/03/87
T.	Complete the lists of groups 4 & 5 isolation functions.	Proposed TS change approved for submittal. Awaiting TS retyping.	R	2/20/87
U.	Miscellaneous notes to correct	Proposed TS change approved for submittal. Awaiting TS retyping.	RS	2/10/87
X.	Allow operation with single recirculation loop operating.	Preparing proposed TS change package.	R	3/27/87
BB.	Limit use of air for pneumatic control inside containment. Generic letter 84-09.	Preparing proposed TS change package.	R	3/20/87
CC.	ATWS modifications for the SLC system.	Preparing proposed TS change package.	R	3/20/87
EE.	Modify ADS timer setpoint.	Evaluating proposed TS change.	R	3/20/87

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03/12/87

V. LICENSING REVIEW

TVA Lead: J.Wolcott
NRC Lead: L.G.Hulman

I. RADIOLOGICAL ENVIRONMENTAL TECHNICAL SPECIFICATIONS (RETS)

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. NRC meeting with TVA	NRR/TVA	Complete
2. TVA response to meeting (9/30/86)	TVA	Complete
3. Review response (20-30-86)	NRR	Complete
4. Prepare Sholly Notice (1-3-87)	NRR	Complete
5. Issue Amendment (2/5/87)	NRR	Complete

TVA CONTACT:
J.Wolcott
205-729-2689

NRC CONTACT:
J.Stang
301-492-7358
TAC#s 63022/3/4

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03/12/87

V. LICENSING REVIEW

N. PROBABILITY RISK ASSESSMENT

TVA Lead:
NRC Lead: B.D.Liaw

<u>MAJOR TASK</u>	<u>RESPONSIBILITY</u>	<u>DATE</u>
1. Submit Draft PRA (October 1986 revision)	TVA	4/30/87
2. Meeting on PRA	SPR/TVA	5/29/87
3. Submittal of Final PRA or IPE	TVA	TRD
4. Review of PRA of IPE	SPR	TRD
5. Prepare SE	SPR	10/30/87

TVA CONTACT:
M. May
205-729-3566

NRC CONTACT:
G. Gears
301-492-4993
TAC# 63178

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LISTING OF MEETINGS
FOR BROWN'S FERRY 1,2,3

MONTH: April 1987

DATE	TIME	PLACE	PURPOSE	INITIATOR(S)
4/21	8:00a- 5:00p	Browns Ferry Site	Item #: II.E.6 Electrical Calculations	OSP/TVA Attendees: NRR RII I&E
4/23- 4/24	8:00a- 5:00pm	Browns Ferry Site	Item #: Monthly Licensing meeting on Restraint Issues	OSP/TVA Attendees: NRR RII I&E
4/22	8:00a- 5:00p	Browns Ferry Site	Item #: II.D.3 Contractor Recommendations (Review of GE Report)	OSP Attendees: NRR RII I&E
4/20- 4/24	8:00a- 5:00p	Browns Ferry Site	Item #: II.F. Welding-Team SITE Visit	OSP Attendees: NRR RII I&E
Wk of 4/27	TBD	TBD (BeNeeda)	Item #: III.C. (DBVP) Tentative Mtg. dependent upon receipt of TVA submittal (III.C 4.6)	OSP OSP/TVA Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E

Notes: T=Tentative Date/or Tentative Location
TBD=Date not yet set

LISTING OF MEETINGS
FOR BROWN'S FERRY 1,2,3

MONTH: *May 1987*

DATE	TIME	PLACE	PURPOSE	INITIATOR(S)
<i>5/11- 5/15</i>	<i>8:00 am - 5:00 pm</i>	<i>Brown's Ferry Site</i>	Item #: III.A.4 <i>EQ Inspection</i>	<i>OSP (Hubbard)</i> Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
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Notes: T=Tentative Date/or Tentative Location
TBD=Date not yet set

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LISTING OF MEETINGS
FOR BROWN'S FERRY 1,2,3

MONTH: *May 1987*

DATE	TIME	PLACE	PURPOSE	INITIATOR(S)
<i>5/11-5/15</i>	<i>8:00 AM - 5:00 PM</i>	<i>Brown's Ferry SET</i>	<i>Item #: III.A.4 EQ Inspection</i>	<i>OSP (Hubbard)</i> Attendees: NRR RII I&E
			Item #:	Attendees: NRR RII I&E
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Notes: T=Tentative Date/or Tentative Location
TBD=Date not yet set

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