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TO: Hugh Trompson (NRC) Bethesda, Maryland
Ken Barr (NRC), Atlanta, Georgia

FROM: R. L. Gridley, Director, Nuclear Safety and Licensing (TVA)

DATE: December 12, 1986

SUBJECT: UPDATE OF TVA ACTIVITIES FOR THE WEEKS OF DECEMBER 15 AND
DECEMBER 22, 1986

Attached are updates of TVA activities for the weeks of December 15
and December 22, 1986.

If you have any questions, call R. H. Shell at (615) 751-2688

JAC:RHS:VYA
Attachments
cc (Attachments):

RIMS, MR 4N 72A-C
H. L. Abercrombie, ONP, Sequoyah
R. E. Alsup, LP 5N 137B-C
R. W. Cantrell, M12 A12 C-K
W. T. Cottle, LP 6N 38A-C
C. Crawford, MR 5N 52A-C
J. P. Darling, ONP, Bellefonte
J. A. Damer, LP 5N 105B-C
C. H. Fox, LP 6N 38A-C
T. A. Ippolito, LP 5N 121B-C
L. L. Jackson, LP 6N 38A-C
M. Harding, ONP, Sequoyah
D. L. Lambert, LP 5N 118B-C
C. C. Mason, LP 6N 38A-C
M. J. May, Browns Ferry
D. E. McCloud, LP 5N 108B-C
J. A. McDonald, ONP, Watts Bar
R. C. Parker, LP 4N 45A-C
R. A. Pedde, ONP, Watts Bar
H. P. Pomrehn, Browns Ferry
R. H. Shell, LP 5N 156B-C
D. L. Terrill, ONP, Bellefonte
G. Toto, ONP, Watts Bar

bc: R. L. Gridley (file copy)

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BROWNS FERRY NUCLEAR PLANT
WEEKLY ACTIVITIES FOR THE WEEKS OF
DECEMBER 15, 1986 AND DECEMBER 22, 1986

I. Audits, Meetings, and Inspections Involving Other Agencies

1. TVA met with NRC (NRR, IE, Region II) in Bethesda on 12/9/86 to discuss Configuration Management and Design Baseline.
2. TVA met with NRC (NRR, IE, Region II) in Bethesda on 12/10/86 to discuss fire protection.
3. December 15, 1986 - 10:30 a.m. - DQA Entrance - ISI and NOE - Plant Manager's Office.
4. December 17, 1986 - 9 a.m. Quarterly Corrective Action Meeting - Administration Building Conference Room.
5. December 15 thru 19, 1986 - Region II inspection of Recirculation System piping replacement cutting and welding operations.
6. Week of December 15, 1986 - NRC visit to review TVA's implementation of Generic Review Program related to Conditions Adverse to Quality (CAQs), Knoxville.

II. TVA Correspondence, Reports, Closures

Items Completed

1. Organization technical specifications (TS 201 Supplement 3) - R. Gridley's letter to D. R. Muller dated 12/10/86.

Items In Process for Completion Within Two Weeks

1. Response to NRC questions on Volume 3, letter dated October 3, 1986 from D. R. Muller to S. A. White.
2. Response to NRC questions on welding project, letter from D. R. Muller to S. A. White dated October 3, 1986.
3. Technical Specifications regarding containment leakage monitoring interval and allowable out-of-service time, in response to M. Grotenhuis's letter to S. A. White dated 3/26/86.
4. Revision to inservice pump and valve testing program.
5. Complete response to NRC request for implementation status of multiplant action items at BFN, reference, NRC letter from M. Grotenhuis dated April 30, 1986.

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6. Additional information on seismic design issue; reference: NRC letter R. J. Clark to S. A. White dated July 31, 1986.
7. Summary of contractors reports with current status for availability of the reports to NRC.

Items in Process - Estimated Completion in 1 to 2 Months

1. Response to NRC questions on Volume 3, letter dated October 21, 1986, from D. R. Muller to S. A. White.

III. NRC Correspondence, Reports, and Closures

1. Response from NRC is needed to TVA's letter dated September 2, 1986 regarding cable qualification.

IV. Site Activities

Unit 1

1. Unit 1 layup work continues with CRD System complete, RCIC turbine complete, and HPCI turbine layup is 80 percent complete.

Unit 2

1. Electrical Modifications and the Civil Design Group have coordinated efforts and developed a program which will expedite the release of conduit ISO drawings. This will release a large segment of work which has been restrained.
2. Communication cable runs to the new Training facility have shown progress and are ahead of schedule.
3. The Drywell Electrical Penetration work on ECM 3180 is progressing on unrestrained workplans; MP 2098 Ringing out and meggering cables on the EB penetration has been completed.
4. The Recirculation Nozzle Replacement effort initiated a Nozzle Flushing program to reduce the exposure. This was successful in reducing a 3.5 R area to 350 MR (Decon factor 10).
5. The Recirculation Nozzle Replacement is 60% completed with the cut-out phase (6 of 10). Mock-up training is continuing with all craft and personnel.

Unit 3

1. The unit 3 reactor vessel disassembly and offload is delayed, pending a resolution to the secondary containment integrity question resulting from the 79-14 inspection of seismic adequacy of non-safety related piping penetrations.

2. Disassembly of low pressure turbine 3B continues. shipment of 3B Rotor to Power Service Shop is on schedule

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SEQUOYAH NUCLEAR PLANT
WEEKLY SUMMARY OF ACTIVITIES FOR
THE WEEKS OF DECEMBER 15 AND DECEMBER 22, 1986

I. AUDITS, MEETINGS, AND INSPECTIONS

NRC Inspections - Tentative Dates

12/18-19 - Licensed Operator Requalification Exams.

NRC Meetings - Tentative Dates

None.

II. TVA CORRESPONDENCE, REPORTS, CLOSURES

TVA Submittals

This week

ISI Program.

D/G Random Loads - Electric Calcs. Program.

EQ Draft SER Confirmatory Items Response.

RTB Bypass Breakers - NSRB Review.

Auxiliary Feedwater Tech. Spec. Letter.

Response to DB&VP questions (NRR).

Operability Review Program: Plans.

Sequoyah Drawing Upgrade: Short-term Plans.

Molded Case Circuit Breaker Calculations.

IR 86-48 Response to Notice of Deviation.

Alternate Analysis Phase II Schedule.

Additional ASME Section XI Pump and Valve IST Exemptions.

DB&VP - Overview of DNE Program.

DB&VP - IR 86-45 Response.

DB&VP - IR 86-38 Response.

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EQ PROJECT

Site modifications and work on closure of remaining open items for EQ binder documentation continues. Remaining work includes resolution of a limited number of technical issues and field implementation items. Evaluation of Raychem splices installed in other than manufacturer's recommended configuration is continuing. Additional testing of Raychem splices representative of as-installed configurations is complete, except for issuance of test report. Test results indicate no failures. Walkdowns have begun to verify that installed splices are within configuration limits of the tested splices. Installation problems have been noted, and a plan for corrective action has been developed that includes review of all 50.49 splices. Approximately 90 percent of the original scope open items have been resolved and closed out.

SUPERHEAT

TVA received the formal NRC "Request for Additional Information - Equipment Qualification under Superheat Conditions," dated November 19. DNE and the EQ group are preparing responses and will provide final input to Licensing by December 12.

TVA committed to NRC to provide the submittal by December 19.

SURVEILLANCE INSTRUCTION REVIEW

The SI review and Appendix F checklist are complete on 760 of 930 tech. spec. surveillance and supporting instructions. Since the total number reviewed includes supporting instructions as well as SIs, this number may increase if new supporting instructions are written or decrease if some supporting instructions are consolidated. Supporting instructions are not included in the program until the SI review is completed, and they require the same review as SIs.

During the past week, some SIs that were previously completed are going to be reviewed again; therefore, the number of completed SIs decreased from 772 to 760 this week. The total number increased this week from 923 to 930 due to new supporting instructions that were added to the program.

The instruction changes have been made to the procedures requiring changes. These instructions are in the approval cycle. One hundred eighty-one SIs have been completed through the PORC revision cycle. As a result of the SI review, a total of 39 PROs have been generated. Of these 39 PROs, 12 have become LERs, 21 PROs were not reportable, and 6 are still under review.

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2. Raw Service Water Vibration Problems - Redesigning to extend Power Stores Warehouse HPFP header to make a loop header and install sway struts (expected completion January 1987).
3. Proceeding with engineering design and procurement of materials for the Hot Shop for the building shell.

C. Construction Activities

1. Erecting small and large seismic pipe supports in RB1, CB, and AB (RB1, CB, AB--ongoing until Hot Functional).
2. Erecting safety related HVAC ductwork in CB, AB, and DGB-1 (92 percent complete).
3. Installing and reworking safety related conduit in RB1, CB, AB, and IPS. (Ongoing until Hot Functional--76 percent complete).
4. Erecting miscellaneous seismically qualified platforms in AB (ongoing until Hot Functional--78 percent complete).
5. Installing and flushing instrument and control tubing in RB1 and AB. (Ongoing until Hot Functional).
5. Applying protective coating in RB-1. (Ongoing until May 27, 1988).
7. Flushing fire protection piping in AB and TB.. (Ongoing over the next 2 years--75 percent complete).
8. Building Hot Shop and Decontamination facilities (completion scheduled for June 1988 - 25 percent complete).

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Bellefonte Nuclear Plant
Weekly Summary of Activities
for the Weeks of December 15, and December 22, 1986

I. Audits, Meeting, and Inspections

None

II. TVA Correspondance, Reports, ClosuresA. Items Completed1. Correspondence to Region IIIssued Date

None

2. Correspondence to NRRIssued Date

None

B. Items In Process1. Correspondence to Region IIExpected Date to RII

MCR 3615 (Final)

December 26, 1986

BN-C-82-04 (Revised Final)

December 26, 1986

BLNNEB8405, 8408, 8409 (Final)

December 24, 1986

BLNCEB8305 (Final)

December 24, 1986

BLNBLP8403 (Final)

December 24, 1986

2. Correspondence to NRRExpected Date to NRR

Purge Dam Issue

December 24, 1986

Generic Letter 83-28, Item 4.3

December 24, 1986

Response to NUREG 0717 Item II.K.3.31
(BAM-1979)

December 24, 1986

Letter delaying review of Bellefonte weld
reinspection plan

December 19, 1986

III. Site Activities

A. Nuclear Operations Activities

1. Unit 1 layup is in progress for the heater drains and vents system and the water treatment plant. Unit 2 system walkdowns have commenced in preparation for Unit 2 layup activities.
2. Dredging operations are underway at the intake pumping station to remove mud and silt accumulation.

B. Nuclear Engineering Activities

1. ECM for crane consistency program modifications based on scope statement BLP 85009 has been submitted for approval. Proceeding based on the installation schedule. (Completion scheduled for September 1987.)

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- C. A submittal addressing functional requirements of the bypassed and inoperative status indication system is expected during this period.

III. NRC CORRESPONDENCE, REPORTS, AND CLOSURES

None

IV. SITE ACTIVITIES

A. Welding Task Group

Engineering activities are underway for developing and implementing the control building elevation 741 structural steel corrective action. Plant procedures are currently being drafted that describe the corrective action process.

TVA is reconfiguring (e.g., replacing insulation, repainting, removing scaffolds) the welds not requiring corrective action. This effort is approximately 35 percent complete. In addition, review of the initial inspection results is continuing, and NRC will be notified of unit 1 project completion plans/schedules as they are developed.

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DISTRIBUTION FOR TVA ACTIVITIES REPORT FROM TVA AND NRC FOR WEEKS OF: DEC 15 AND 22, 1986

H. DENTON	P-428
J. TAYLOR	EW/W-322
B. HAYES	EW/S-434
T. NOVAK	528
L. SPESSARD	EW/S-360
B. J. YOUNGBLOOD	442
D. MULLER	P-822
J. STOLZ	P-214
M. GROTENHUIS	P-822
T. KENYON	440
C. STAHL	440
B. D. LIAW	P-1132
J. LIEBERMAN	MNBB-9604
T. REHM	MNBB-6209
R. BERNERO	P-1102
F. MIRAGLIA	P-202
R. SHEWMAKER	EW/W-359
G. GEARS	P-822
W. LONG	P-822
B. K. SINGH	340
G. KALMAN	P-214
H. MILLER	EW/W-305
R. WESSMAN	
S. RICHARDSON	
H. GILPIN	
M. REINHART	
CENTRAL FILES	
NRC/PDR	
TVAPS (3)	

The project status of the program as of December 11 is shown in the table below. This does not include the EA review.

Activity	Percent Effort Completed	Percent Products Completed
Selection of System/Boundaries	100	100
Walkdown		
Functional	100	100
Supplemental	100**	100**
Licensing Commitments	100	100
Design Criteria	95	95
Evaluation of Change Documents		
ECNs	95	95
FCNs	95	95
Comparison of As-Designed Drawings with Walkdown Results	100*	100*
Test Evaluation Reviews		
Test Packages (by ECNs)	100**	100**
System Evaluations	65	50

*For initial walkdown results only.

**Status of original scope.

AMPACITY ISSUE

The ampacity program description will be formally provided to NRC during the third week of December.

UNDERVOLTAGE CALCULATION

The final version of electrical calculations will be received by Licensing from DNE this month and will be sent to NRC by December 23. Westinghouse analysis for no-significant-containment-pressure change with spray pump delay will be transmitted to NRC during the week of December 15.

CABLE PULLING

The second and final set of responses on cable pulling were sent to NRC on December 8, 1986.

WATTS BAR NUCLEAR PLANT - UNITS 1 AND 2
 ACTIVITIES FOR THE WEEKS OF
 DECEMBER 15, 1986 AND DECEMBER 22, 1986

I. AUDITS, MEETINGS, AND INSPECTIONS

DNQA audit of the site organization and QA program - exit meeting during the week of December 15, 1986.

II. TVA CORRESPONDENCE, REPORTS, AND CLOSURES

A. 10 CFR 50.55(e) reports.

UNIT	CDR NO.*	NCR/SCR NO.	DATE DUE
1&2	390/85-51,391/86-06	WBN 8297-S	12/15/86
1&2	Not Assigned	WBN EEB 8663 & 8664	12/24/86
1	Not Assigned	WBN NEB 8651	12/26/86

* CDR No. not assigned indicates initial report.

Partial information pertaining to NRC-RII request concerning cable bend radius deficiencies (WBRD-80-390/32-80, 391/82-76) will be submitted December 22, 1986.

B. Employee Concern Task Group

Status Of Sequoyah Evaluations As Of 12/9/86

Category	Element Reports Needed	Reports Prepared	SAP Concur	NRC Initial	C/A Provided	SAP Final	NRC Final
EH	96	92	38	17	40	10	6
CO	32	32	32	32	26	13	18
MC	12	12	11	11	11	8	8
QA	15	15	2	2	11	2	2
OP	59	59	54	54	56	39	38
HE	41	41	35	34	35	26	25
MSRS	2	2	0	0	0	0	0
SHEC	57	57	44	42	57	43	42
TOTAL	314	310	216	192	236	146	139

NOTE: All initial reports in the construction category have now been submitted.

Discrepancies between the number of elements reported here and the 9/20/86 submittal will be identified on a case-by-case basis through the routine report submittals. This status is a working-level weekly summary and will fluctuate. Specific questions on numbers should be addressed to Martha Martin, (615) 365-3587, Watts Bar.