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

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

DATE: December 19, 1986

SUBJECT: UPDATE OF TVA ACTIVITIES FOR THE WEEKS OF DECEMBER 22 AND
DECEMBER 29, 1986

Attached are updates of TVA activities for the weeks of December 22
and December 29, 1986.

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

JAD:RHS:VYA

Attachments

cc (Attachments):

RIMS, MR 4N 72A-C
H. L. Abercrombie, ONP, Sequoyah
R. E. Aisup, 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. Pedds, ONP, Watts Bar
H. P. Ponrehn, Browns Ferry
R. W. Shell, LP 5N 150B-C
D. L. Torril, ONP, Bellefonte
G. Toto, ONP, Watts Bar

bc: R. L. Gridley (116 copy)

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BROWNS FERRY NUCLEAR PLANT
WEEKLY ACTIVITIES FOR THE WEEKS OF
DECEMBER 22, 1986 AND DECEMBER 29, 1986

I. Audits, Meetings, and Inspections Involving Other Agencies

NONE

II. TVA Correspondence, Reports, Closures

Items Completed

1. Summary of contractors reports with current status for availability of the reports to NRC.
2. 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.
3. Response on allegation regarding qualifications of GE contractors welding safe ends submitted to NRC by letter from J. A. Damer to G. G. Zech dated 12/12/86.

Items In Process for Completion by 1/16/87

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. Revision to inservice pump and valve testing program.
4. Complete response to NRC request for implementation status of multiplant action items at BFN, reference, NRC letter from M. Grotenhuis dated April 30, 1986.
5. Additional information on seismic design issue; reference: NRC letter R. J. Clark to S. A. White dated July 31, 1986.
6. Post Accident Sampling System design information.
7. Detailed Control Room Design Review, due 12/31/86 in accordance with NRC confirmatory orders.

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.
2. Response to NRC questions on Volume 3, Marshall Grotenhuis's letter dated 12/9/86.

-2-

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 the CRD System, RCIC turbine, and the HPCI turbine layup is completed, and the Layup of SLC System has started.

Unit 2

1. Radiographs for the Recirculation System lines (ISI weld inspections) were completed with positive results.
2. The Recirculation Nozzle Replacement project had an initial kick-off meeting with the IHSI contractor (NUTECH).
 - The Riser Cut-out Phase has been completed.
 - All containment tents have been installed and work is proceeding on alignment for safe-end machining.
 - All Instrumentation Modification is complete on workplan 2161-86 - (Removal and Capping).
3. All drawings for the CRD-H supports (outside D/W) have been issued and are incorporated into work packages.
4. Fifteen fixes on the 79-02 effort have completed field work and documentation packages for this week.
5. The Special Mechanical Maintenance Instruction (SMI) reinspection effort completed 16 hangers with all documentation. This is an improvement over past performance by a factor of three (3) due to team meetings and coordination.
6. All temporary electrical support for the Torus Painting Contractor (Williams) was removed this week from U2 Torus work area.

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. The 3B Rotor was shipped as scheduled on Dec. 16, 1986 to the Power Service Shop.

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SEQUOYAH NUCLEAR PLANT
WEEKLY SUMMARY OF ACTIVITIES FOR
THE WEEKS OF DECEMBER 22 AND DECEMBER 29, 1986

I. AUDITS, MEETINGS, AND INSPECTIONS

NRC Inspections - Tentative Dates

None scheduled.

NRC Meetings - Tentative Dates

None scheduled.

II. TVA CORRESPONDENCE, REPORTS, CLOSURES

TVA Submittals

This week

D/G Random Loads Containment Spray Delay - Electric Calcs. Program.

EQ Draft SER Confirmatory Items Response.

Auxiliary Feedwater Tech. Spec. Letter.

Molded Case Circuit Breaker Calculations.

DB&VP - Overview of DNE Program.

Appendix J Exemptions.

Containment Isolation System Design Issues.

Supplemental Response to IR 86-43-02 (temporary changes).

EQ - Superheat Conditions.

Next Week

Ampacity Program Description.

DB&VP - IR 86-45 Response.

DB&VP - IR 86-38 Response.

Concrete Report.

Electrical Calculations Update.

- C. A submittal addressing functional requirements of the bypassed and inoperable status indication system is expected during this period.
- D. Major items during next two months - Inspection report 390, 391/86-12 - Supplemental violation response to be provided 1/18/87.

III. NRC CORRESPONDENCE, REPORTS, AND CLOSURES

None

IV. SITE ACTIVITIES

A. Welding Task Group

Walkdown procedure WP-16 has been approved to govern the walkdown of structural steel for the control building elevation 741.

Radiography review procedure development is continuing. The procedure and resources required to complete 100 percent radiography review will be in place in mid-January.

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**Bellefonte Nuclear Plant
Weekly Summary of Activities
for the Weeks of December 22, and December 29, 1986**

I. Audits, Meeting, and Inspections

Exit meeting for Jack Harris (Region II) held 12/18/86 at site.
Exit meeting for Region II Generic Implications Review Team held 12/19/86 in Knoxville.

II. TVA Correspondence, Reports, Closures

A. Items Completed

1. Correspondence to Region II

Issued Date

None

2. Correspondence to NRR

Issued Date

None

B. Items in Progress

1. Correspondence to Region II

Expected Date to RII

NCR 3615 (Final)
BH-C-82-04 (Revised Final)
BLNHEB8405, 8408, 8409 (Final)
BLKCEB8305 (Final)
BLNBLP8403 (Final)

December 31, 1986
December 31, 1986
December 31, 1986
December 31, 1986
December 31, 1986

2. Correspondence to NRR

Expected Date to NRR

Purge Dam Issue
Generic Letter 83-28, Item 4.3
Response to NUREG 0737 Item II.K.3.31
(BAJ-1079)

December 31, 1986
December 31, 1986
December 31, 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 are in progress in preparation for Unit 2 layup implementation.
2. The raw water side of the Auxiliary Building trained chiller heat exchangers are being inspected and cleaned.

B. Nuclear Engineering Activities

1. ECN for crane consistency program modifications based on scope statement BLP 86009 has been submitted for approval. Proceeding based on the installation schedule. (Completion scheduled for September 1987.)

-2-

2. Raw Service Water Vibration Problems - Redesigning to extend Power Stores Warehouse HPPF 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).
6. 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).
9. Desliting and mucking out the ERCW pump cavities at the IPS and the inlet channel (to finish 1/31/87).

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WATTS BAR NUCLEAR PLANT - UNITS 1 AND 2
ACTIVITIES FOR THE WEEKS OF
DECEMBER 22, 1986 AND DECEMBER 29, 1986

I. AUDITS, MEETINGS, AND INSPECTIONS

DNQA audit of the site organization and QA program - exit postponed until after January 1, 1987.

II. TVA CORRESPONDENCE, REPORTS, AND CLOSURES

A. 10 CFR 50.85(e) reports.

<u>UNIT</u>	<u>CDR NO.*</u>	<u>NCR/SCR NO.</u>	<u>DATE DUE</u>
1&2	Not Assigned	WBN EEB 8663 & 8664	12/24/86
1	Not Assigned	WBN NEB 8651	12/26/86
1&2	390/86-60, 391/86-86	W-422-P & WEB 8680	12/29/86
1&2	390/86-57, 391/86-54	WBN 6835 & W-431-P	12/31/86

* CDR No. not assigned indicates initial report.

A response pertaining to NRC-RII request concerning cable bend radius deficiencies (WBRD-50-390/82-80, 391/82-76) will be submitted December 22, 1986.

B. Employee Concern Task Group

Status Of Sequoyah Evaluations As Of 12/17/86

<u>Category</u>	<u>Element Reports Needed</u>	<u>Reports Prepared</u>	<u>SRP Concur</u>	<u>NRC Initial</u>	<u>C/A Provided</u>	<u>SRP Final</u>	<u>NRC Final</u>
EN	96	94	45	32	54	10	10
CO	32	32	32	32	30	19	19
MC	12	12	11	11	11	8	8
QA	15	15	3	3	10	3	3
OP	59	59	54	54	58	39	39
WE	41	41	35	34	37	27	27
NSRS	2	2	2	0	0	0	0
SWEC	57	57	47	44	57	44	44
TOTAL	314	312	229	211	257	150	150

Discrepancies between the number of elements reported here and the 9/26/86 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.

-2-

MSRB Review

RTB Bypass Breakers - Tech. Spec. Change 67.
Containment Spray Pump Response Time Tech. Spec.
CCP/RNST Valves Tech. Specs.

III. NRC CORRESPONDENCE, REPORTS, CLOSURES

Letter from G. G. Zech to S. A. White dated 12/9/86 on NRC Inspection Report Nos. 327, 328/86-43-02.

Letter from G. G. Zech to S. A. White dated 12/9/86 on Notice of Violation Nos. 327, 328/86-63.

IV. SITE ACTIVITIESEMPLOYEE CONCERNS AND SNEC AND NSRS REPORTS

Matts Bar ECTG is reporting on these items for Sequoyah.

DESIGN BASELINE AND VERIFICATION PROGRAM

DNE is developing supplemental walkdown packages based upon the results of the initial walkdowns. On unit 2, as of December 17, a total of 36 supplemental packages have been received by the Systems Walkdown Group for additional walkdowns; all 36 of these have been finished and returned to DNE.

Response to NRC's DB&VP questions was transmitted from TVA to NRC on December 11.

On December 15, TVA presented to NRC (NRR and IE) an overview of the ongoing calculation efforts within each DNE branch. At NRC's request, a submittal is being prepared to formally explain these efforts and their interface with the Sequoyah DB&VP. The submittal will also address written NRC questions that are expected to be transmitted to TVA by December 19. TVA expects to transmit the DB&VP calculations submittal to NRC in mid-January 1987.

-3-

The project status of the program as of December 17 is shown in the table below. This does not include the EA review.

<u>Activity</u>	<u>Percent Effort Completed</u>	<u>Percent Products Completed</u>
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

Sequoyah Site Licensing provided EEB with a draft submittal for review and comment. The ampacity program description will be formally provided to NRC during the last week of December.

UNDERVOLTAGE CALCULATION

A summary of the electrical calculation program was received by Sequoyah Site Licensing from EEB to enable preparation of the transmittal to NRC. The attachments are due to Licensing from EEB on December 22. The containment spray delay letter is awaiting final concurrence at Corporate Licensing. Based on receiving input from EEB, a final submittal to NRC is expected during the last week of December.

CABLE PULLING

The second and final set of responses on cable pulling were sent to NRC on December 8, 1986. NRC is preparing a draft SER on cable issues.

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, and test results indicate no failures. Installation problems outside the configuration limits of the test have been noted through sample walkdowns, and a plan for corrective action has been developed that includes field inspection 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 prepared a response and provided final input to Licensing on 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 740 of 932 tech. spec. surveillance and supporting instructions. There have been 182 SIs completed through the PORC revision cycle. 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 completely reviewed again; therefore, the number of completed SIs decreased from 760 to 740 this week. The total number increased this week from 930 to 932 due to new supporting instructions that were added to the program.

As a result of the SI review, a total of 39 PROs have been generated. Of these 39 PROs, 12 have become LERs, 22 PROs were not reportable, and 5 are still under review.

The Appendix F to SI-1 has been revised to improve the SI review process. New questions have been added to the Appendix F checklist, and some questions have been clarified. Therefore, a new checklist is required for all instructions, answering at a minimum those questions which have been added or changed. At this time, no new checklists have been completed.

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12/19/86
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DEC 22 1986

DISTRIBUTION FOR TVA ACTIVITIES REPORT FROM TVA AND NRC FOR WEEKS OF: DEC 22 AND DEC 29

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)	