

L44 861107 804

UNITED STATES GOVERNMENT

# Memorandum

TENNESSEE VALLEY AUTHORITY

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

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

**DATE:** November 7, 1986

**SUBJECT:** UPDATE OF TVA ACTIVITIES FOR THE WEEKS OF NOVEMBER 10 AND NOVEMBER 17, 1986

Attached are updates of TVA activities for the weeks of November 10 and November 17, 1986.

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

JAD:RMS:VYA

Attachments

cc (Attachments):

- RIMS, MR 4N 72A-C
- H. L. Abercrombie, ONP, Sequoyah
- R. E. Alsop, LP 5N 137B-C
- W. T. Cottle, LP 6N 38A-C
- C. Crawford, MR 5N 52A-C
- J. P. Darling, ONP, Bellefonte
- J. A. Doser, LP 5N 105B-C
- C. H. Fox, LP 6N 38A-C
- T. A. Ippolito, LP 121B-C
- L. L. Jackson, LP 6N 38A-C
- R. B. Kelly, LP 4N 45A-C
- J. A. Kirshabo, W12 A12 C-K
- M. Harding, ONP, Sequoyah
- D. L. Lambert, LP 5N 118B-C
- C. G. Mason, LP 6N 37A-C
- M. J. May, Browns Ferry
- D. E. McCloud, LP 5N 105B-C
- J. A. McDonald, ONP, Watts Bar
- R. A. Podde, 9-169 EB-K
- H. P. Pomrehn, Browns Ferry
- R. M. Shell, LP 5N 156B-C
- G. Toto, ONP, Watts Bar
- D. L. Terrill, ONP, Bellefonte

8611170057 861107  
 PDR ADOCK 05000259  
 R PDR



Belleville Nuclear Plant  
Weekly Summary of Activities  
for the Weeks of November 10, and November 17, 1986

**I. Audits, Meetings, and Inspections**

None

**II. TVA Correspondence, Reports, Memoranda**

**A. Items Completed**

- |                                 |                    |
|---------------------------------|--------------------|
| 1. <u>Correspondence to EII</u> | <u>Issued Date</u> |
| NCR 3615 (Final)                | November 7, 1986   |
| NCR BLF RES 8403                | November 7, 1986   |
| EW-C-82-04 (Revised Final)      | November 7, 1986   |
| 2. <u>Correspondence to NER</u> | <u>Issued Date</u> |
| Weld Inspection Plan            | November 5, 1986   |

**B. Items in Process**

- |                                       |                             |
|---------------------------------------|-----------------------------|
| 1. <u>Correspondence to Region II</u> | <u>Expected Date to EII</u> |
| BLNCR88405, 8408, 8409 (Final)        | November 21, 1986           |
| BLNCR88305 (Final)                    | November 21, 1986           |
| BLNCR88622 (First Interim)            | November 17, 1986           |
| 2. <u>Correspondence to NER</u>       | <u>Expected Date to NER</u> |
| Purge Dem Issue                       | November 14, 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.

**B. Nuclear Engineering Activities**

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



-2-

**C. Construction Activities**

1. Erecting small and large seismic pipe supports in RB1, CB, and AB. (RB1, CB, AB—ongoing until Not Functional).
2. Erecting safety related NVAC 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 Not Functional--76 percent complete).
4. Erecting miscellaneous seismically qualified platforms in AB ongoing until Not Functional--78 percent complete).
5. Installing and flushing instrument and control tubing in RB1 and AB. (Ongoing until Not Functional).
6. Performing preventive maintenance on all safety related systems and equipment. (Ongoing until turnover to BL-OPS).
7. Applying protective coating in RB-1. (Ongoing until May 27, 1988).
8. Flushing fire protection piping in AB. (Ongoing over the next 2 years—60 percent complete).
9. Building Hot Shop and Decontamination facilities (completion scheduled for June 1988 - 25 percent complete).

RMS:VYA  
11/7/86  
0920b

**WATTS BAR NUCLEAR PLANT - UNITS 1 AND 2  
ACTIVITIES FOR THE WEEKS OF  
NOVEMBER 10, 1986 AND NOVEMBER 17, 1986**

**I. AUDITS, MEETINGS, AND INSPECTIONS**

- A. NDE industrial engineering survey of electrical and instrumentation failures to follow procedures is continuing.
- B. DNQA Audit on Inservice Inspection - pumps and valves - scheduled for November 10-14 - postponed until 1st week of December.
- C. DNQA Audit on Test Control - scheduled for November 7 and week of November 10.
- D. DNQA audit on Plant Staff Performance - week of October 17.
- E. Environmental Quality Staff audit on non-radiological monitoring week of November 17.

**II. TVA CORRESPONDENCE, REPORTS, AND CLOSURES****A. CFR 50.55(e) reports.**

<u>UNIT</u>	<u>CDR NO. *</u>	<u>NCR/OCR NO.</u>	<u>DATE DUE</u>
1	Not assigned	M-477-P	11/10/86
1&2	390/86-41, 391/86-40	WBN CEB 8553, 8631	11/14/86
1&2	Not assigned	WBN CEB 8689	11/19/86
2	391/86-34	WBN 6219	11/21/86

\* CDR No. not assigned indicates initial report.

**B. Employee Concern Program****STATUS OF REGIONAL SUBMITTALS**

	<u>Initial</u>	<u>Final</u>
Construction	82%	42%
Material Control	75%	17%
Engineering	0%	0%
QA/QC	6%	6%
Operations	66%	22%
Welding	41%	0%
Stone & Webster	0%	0%
NERS	0%	0%



-2-

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) 368-3587, Watts Bar.

With the redirection of the conflict of interest issue, the manpower restrictions on ECTC contracts has eased. Additional manpower will be added to the Sequoyah QA/QC and Engineering category evaluations.

### III. NRC CORRESPONDENCE, REPORTS, AND CLOSURES

None

### IV. SITE ACTIVITIES

#### A. Unit 1

##### Welding Task Group

TVA & WEP are currently concentrating on the completion of the original scope of inspection and evaluation of findings for accuracy and significance. TVA will submit the initial 10 CFR 50.55(e) report for the unsuitable-for-service structural components (SCR WBN CBS 8689) as scheduled in Section II of this update. The Radiograph review is close to completion.

#### B. Unit 2

Westinghouse is continuing steam generator tube sheet rework and post-rotopening tube repair.

TVA is continuing removal of reactor coolant pump motors to ship stators to Muscle Shoals for modifications.

EMS:VYA  
11/07/86  
0910b

SEQUOYAH NUCLEAR PLANT  
WEEKLY SUMMARY OF ACTIVITIES FOR  
THE WEEKS OF NOVEMBER 10 AND NOVEMBER 17, 1986

**I. AUDITS, MEETINGS, AND INSPECTIONS**

**NRC Inspections - Tentative Dates**

11/12 - Snubber.

11/12-21 - DB&VP - ECM closure.

11/17 - Radiological Emergency Plan (REP) exercise observation team.

11/17 - Design Baseline & Verification Program (DB&VP) Part 2: - Design Control, Engineering Assurance, and ECM Evaluation.

11/17 - Pipe supports and cable tray supports.

**NRC Meetings - Tentative Dates**

None scheduled.

**II. TVA CORRESPONDENCE, REPORTS, CLOSURES**

**TVA Submittals**

**This week**

Revised Containment Isolation System Response.

Response to QA Topical Questions.

ASME Section XI Pump and Valve IST.

Small Bore Pipe and Support Criteria.

Response to DB&VP questions and overview of DNE Program.

**Next week**

Sequoyah Cable Pulling Questions, Set 2.

CCP/RMT Valves Technical Specification.

Molded Case Circuit Breaker Calculations Technical Specifications.

Alternate Analysis Phase II Schedule.



**III. NRC CORRESPONDENCE, REPORTS, CLOSURES**

Letter from B. J. Youngblood to S. A. White dated 10/27/86 on Status of Information Needed to Support Sequoyah Restart (discussed with NRC on 11/6/86).

Letter from J. W. Grace to S. A. White dated 10/28/86 on Notice of Violation 86-37.

Letter from M. L. Thompson to C. C. Mason dated 10/21/86 on complaint by TVA employee regarding perceived wrongdoing at SQM.

**IV. SITE ACTIVITIES**

**EMPLOYEE CONCERNS AND EMEG AND NEWS REPORTS**

Watts Bar NCTG is reporting on these items for Sequoyah:

**DESIGN BASELINE AND VERIFICATION PROGRAM**

DWE is developing supplemental walkdown packages based upon the results of the initial walkdowns. On unit 2, as of November 5, a total of 34 supplemental packages have been received by the Systems Walkdown Group for additional walkdowns; 33 of these have been finished and returned to DWE; and 1 is being worked on.

The project status of the program as of November 3 is shown in the table below. This does not include the EA review. Since work activities were directed towards the NRC DB&VP inspection currently underway, the percentages have remained the same as last week's report.

<u>Activity</u>	<u>Percent Effort Completed</u>	<u>Percent Products Completed</u>
Selection of System/Boundaries Walkdown	100	100
Functional	100	100
Supplemental	91	86
Licensing Commitments	95	95
Design Criteria	95	95
Evaluation of Change Documents		
ECNs	85	80
FCNs	85	80
Comparison of As-Designed Drawings with Walkdown Results	100*	100*
Test Evaluation Reviews		
Test Packages (by ECNs)	100	100
System Evaluations	45	30**

\*For initial walkdown results only.

\*\*Draft SYSTEMS only.

-3-

**AMPACITY ISSUE**

Information for submittals on ampacity is being developed.

**UNDERVOLTAGE CALCULATION**

The corrective action for diesel generator loading problems will result in a change to the containment spray pump sequence timer. A technical specification change will be required. Revised package of calculations and corrective actions will be available for submittal in late November or early December.

**CABLE PULLING**

The first set of responses were sent to NRC on 10/31/86, and the second set will be sent by mid to late November.

**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 of a sampling of installed splices will verify that installed splices are within configuration limits of the tested splices. Approximately 87 percent of the original scope open items have been resolved and closed out.

**SUPERHEAT**

The SER for the Superheat issue outside containment is on hold, pending resolution of comments from an EQ reviewer regarding the analytical method used to environmentally qualify certain equipment inside the valve vaults. NRC will contract with an outside party to review this aspect of the issue, as the technical resources within NRC do not exist to accomplish this review. TVA is preparing information requested informally by NRC to support a future technical discussion with NRC and the contract reviewer. The date of the meeting will be established when the contractor is "on board."



**SURVEILLANCE INSTRUCTION REVIEW**

Review is complete on 677 of 916 test. spec. surveillance instructions. The instruction changes have been made to the procedures requiring changes. These instructions are in the approval cycle. One hundred thirty-eight SIs have been completed through the revision cycle. As a result of the SI review, a total of 29 PROs have been generated. Of these 29 PROs, 10 have become LERs, 5 PROs were not reportable, and 13 are still under review.

ENS:VYA  
11/07/86  
0920b

BROWNS FERRY NUCLEAR PLANT  
WEEKLY ACTIVITIES FOR THE WEEKS OF  
NOVEMBER 10, 1986 AND NOVEMBER 17, 1986

I. Audits, Meetings, and Inspections Involving Other Agencies

1. The results of the investigation of five missing fission chambers were presented to NRC at an enforcement conference held at Browns Ferry on November 4, 1986.
2. TVA's plans for replacement of recirculation inlet safe ends were presented to NRC at a meeting at Browns Ferry on November 4, 1986.
3. November 12, 1986 - 12:30 p.m. - DQA Entrance - E. L. Lewis' Office
4. The monthly TVA/NRC meeting on restart issues will be held at Browns Ferry on November 19, 1986.
5. A meeting to review the EQ program including the first EQ binders will be held at Browns Ferry on November 20, 1986.
6. A meeting at which TVA will describe Browns Ferry's Configuration Management and Design Baseline Verification Program is tentatively scheduled for November 21 or 24 in Bethesda, MD.

II. TVA Correspondence, Reports, Closures

Items In Process for Completion Within Two Weeks

1. Additional information on Appendix E requested by NRC letter dated August 7, 1986 from E. J. Clark to S. A. White.
2. Response to NRC letter from M. Grotenhuis to S. A. White dated March 26, 1986 regarding inspections on piping welds.
3. Response to NRC questions on Volume 3, letter dated October 3, 1986 from D. R. Muller to S. A. White
4. Response to NRC questions on welding project, letter from D. R. Muller to S. A. White dated October 3, 1986.
5. Description of ALARA program for the unit 2 recirculation inlet safe end replacement as required by Generic Letter 84-07.
6. Response to the Violation in Inspection Report 86-29 regarding transportation of radioactive waste.



7. Response to the June 17, 1986 letter from NRC to S. A. White regarding Sequoyah design deficiencies applicability to Browns Ferry.

Items in Progress - Estimated Completion in 1 to 2 Months

1. Additional information on seismic design issue; reference: NRC letter R. J. Clark to S. A. White dated July 31, 1986.
2. Revision to inservice pump and valve testing program.
3. Complete response to NRC request for implementation status of multiplant action items at BFN, reference, NRC letter from M. Grctonhuis dated April 4, 1986.
4. Supplemental proposed technical specifications on organization and administrative controls.
5. Response to NRC questions on Volume 3, letter dated October 21, 1986, from D. E. 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.
2. NRC Crosstie Amendment Questions - G. G. Zach's letter to S. A. White dated October 16, 1986 was received.

IV. Site Activities

Unit 1

1. Unit 1 layup procedures are in the approval cycle. A preliminary layup schedule has been reviewed.

Unit 2

1. A BNR/Core Spray schedule evaluation is in progress to support system testing and return to service.
2. The Baseline Evaluation Program is preparing initial system test specifications in support of the Restart Test Program.
3. The team which will perform the 100 percent eddy current test of the unit 2 condenser is onsite and undergoing training.

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. Pressurized and Leak Tested Unit 3 CCW Intake Tunnels - No leaks were found - returned to service.
3. Shipped three low pressure turbine rotors to Power Service Shop for rework.

ENS:VYA  
11/07/86  
0920b



Distribution: TVA ACTIVITIES FOR WEEKS OF NOV 10 AND 17, 1986

Docket Files

NRC PDR

HDenton P-428

TVAPS

RWessman

SRichardson

JTaylor EW/W 322

BHayes EW/S 434

SConnelly EW/S 461

TNovak 528

TKenyon 440

BJYoungblood 440

JLieberman MNBB-9604

TRehm MNBB-6209

WLong P-822

HThompson 528

LSpessard EW/S 360

RBernero P-1102

DMuller P-822

JStolz P214

MGotenhuis P-822

HMiller EW/W-305

BSingh 340

GKalman 214

FMiraglia P-202