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TO: Hugh Thompson (NRC) Bethesda, Maryland / 128 492 7617
 FROM: Dave Verrelli (NRC), Atlanta, Georgia
 R. L. Gridley, Manager of Licensing (TVA)
 DATE: April 4, 1986
 SUBJECT: UPDATE OF TVA ACTIVITIES FOR THE WEEKS OF APRIL 7, AND APRIL 14, 1986

Attached are updates of TVA activities for the weeks of April 7, and April 14, 1986.

If you have any questions, call J. A. Domer at FTS 858-2778 or J. D. Ziegler at FTS 858-8077.

JAD:DEM:JDZ:KEH

Attachments

cc (Attachments):

- RIMS, MR 4N 72A-C
- H. L. Abercrombie, ONP, Sequoyah
- R. E. Alsup, LP 5N 137B-C
- W. C. Bibb, Browns Ferry
- W. R. Brown, 9-167 SB-K
- W. T. Cottle, ONP, Watts Bar
- C. Crawford, MR 5N 52A-C
- J. P. Darling, ONP, Bellefonte
- J. A. Domer, LP 5N 105B-C
- W. C. Drotleff, Jr., W12 A12 C-K
- R. B. Kelly, LP 4N 45A-C
- C. C. Mason, LP 6N 37A-C
- R. H. Shell, LP 5N 155B-C
- M. K. Whitaker, LP 5N 105B-C

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REGULATORY DIVISION

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 P PDR

BROWNS FERRY NUCLEAR PLANT
ACTIVITIES FOR THE WEEKS OF APRIL 7 AND APRIL 14, 1986

The following significant activities are scheduled to start or finish during the next two weeks. They are not listed in order of significance.

Unit 2 (First Restart Unit) Fieldwork:

1. Finish valve 71-40 replacement.
2. Finish valve 73-45 replacement.
3. Finish Reactor Water Cleanup suction elbow replacement.
4. Start drywell basement coating repairs (pending resolution of radwaste shipment problems).

Audits, Meetings, and Inspections Involving offsite branches and agencies:

1. A DQA exit regarding compliance with plant technical specifications is rescheduled for April 8.
2. A DQA exit is scheduled on April 4 to audit control of heavy loads.
3. An NRC - TVA meeting to discuss Task Force activities is scheduled for May 6, 1986.
4. INPO will exit on April 4 regarding site training and accreditation program.
5. The Performance Plan Task Force is onsite.
6. An NRC exit meeting following an unannounced security inspection is scheduled for April 4.

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SEQUOYAH NUCLEAR PLANT (SQN)
WEEKLY SUMMARY OF ACTIVITIES FOR
WEEK OF APRIL 7, 1986

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EMPLOYEE CONCERNS

Site Specific

All information based on current status as of March 20, 1986. 361 total concerns - 184 safety-related.

63 require resolution prior to startup.

Completion or interim reports on 61 of the 63 concerns issued and received onsite containing 28 P1 recommendations. Recommendations are being evaluated, addressed, and responses provided to NSRS. The remaining two concerns are scheduled to be issued by NSRS by April 8, 1986.

A central data base is being implemented to track status of all concerns. SQN will begin access soon.

Generic Program - A total of 280 (65 not safety related) concerns have been reviewed in the SQN generic program and have been grouped into 7 broad categories and investigated. Reports and recommendations were provided by the assessment team for the management review team's (MRT) consideration. The MRT has issued the recommendations for action. There are now a total of 25 recommendations, one required for startup (work scheduled).

Onsite

Prior to New EC Program

To date there have been 24 concerns identified as needing resolution prior to restart. Twenty-one have been closed and 3 are still open.

New EC Program

Twenty-four concerns (none safety related) have been identified since TVA's new Employee Concern Program went into effect on February 1, 1986.

DESIGN CONTROL STUDY (Gilbert/Commonwealth Review)

Gilbert/Commonwealth has issued final report of their technical review. OE is reviewing this report. Following the TVA review, the final report will be issued to NRC.

NRC was at SQN to evaluate the design control process. An exit meeting was held March 14, 1986. The site task force is evaluating what additional corrective actions will be taken.

USQD evaluations completed on schedule. The final report has been submitted to TVA management.

UNDERVOLTAGE CALCULATION

TVA has provided a submittal to NRC addressing PSB-1 retest concern.

TVA's evaluation of NRC's letter dated March 26, 1986, has begun.

The calculations are complete. The program description report has been submitted to NRC.

Test of vital inverters: TVA is waiting for the vendor's report recertifying the vital inverters at the SQN and WBN sites.

Vendor reanalysis of diesel generator load sequence: Additional information on random loading is required from the vendor. Vendor expects to provide this to TVA by April 16. TVA calculations are expected to be complete by April 24. Final report will follow.

Three SCRs issued to date due to electrical calculations. Actions involved with these SCRs consist of pulling cable, testing, and continuing an evaluation of 480-Volt system.

OPEN NSRS REPORTS

NSRS personnel were onsite evaluating various NSRS recommendations. They closed 40 of 44 items. They have issued a letter indicating that of 4 open items, only two are required for restart. NSRS has issued a report identifying additional corrective action required in order to close remaining 4 open items. Actions will begin based on the NSRS letter to close the 4 open items.

Other NSRS open items identified for other TVA organizations will be addressed, as appropriate, at SQN.

WELDING PROGRAM

The phase 2 report and a final draft SQN welding program summary report will be submitted to Licensing April 15 by the Welding Project. The projected target date for Licensing to submit final report to NRC is April 25.

EQ PROJECT

All identified binders (96/96) have been issued.

The majority of the QMDS work and site-related modifications will be complete by May 1, 1986. As of this date, we are scheduled to have all QMDS and modifications complete by May 15, 1986.

SUPERHEAT

Westinghouse has indicated that analysis results show that reanalysis with the BIT will not reduce the effects of superheat for a large S.L.B.

TVA has initiated an evaluation process to identify the best solution to the superheat issue. The solution may eventually result in a Failure Modes Effects analysis and a safety evaluation to determine if equipment modifications and/or analysis efforts are needed. The schedule for resolution is for a preliminary OE report to be available for site review 7/1/86. The 7/1/86 date is being evaluated by TVA management to determine if improvements can be made.

MISCELLANEOUS

The Manager of Nuclear Power has established a site task force to assist in expediting the restart/licensing of Sequoyah. The objectives of this task force are as follows:

1. Revise Volume II of the NPP compatible with Volume I, NPP, for submittal to NRC.
2. Compile a list of all known work items for Sequoyah and select those required to be completed prior to restart/licensing for inclusion in Volume II.
3. Identify problems and initiate actions for resolutions and appropriate inclusion in Volume II.
4. Be prepared to brief the Manager of Nuclear Power on all issues.

The Sequoyah task force is defined as follows:

Task Force Leader: C. C. Mason

Members: H. L. Abercrombie
R. W. Bass (part time)
J. E. Huston
M. T. Tormey, Jr. (OE)
A. K. Priest (OC)

The revision of Volume 2 of the TVA Nuclear Performance Plan (NPP) started the week of March 17. A completion date will be determined by the restart task force. The rewrite will include program descriptions, program status, and corrective actions for the outstanding major restart issues.

JDZ:KEH
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SEQUOYAH NUCLEAR PLANT (SQN)
WEEKLY SUMMARY OF ACTIVITIES FOR
WEEK OF APRIL 14, 1986

EMPLOYEE CONCERNS

Site Specific

Evaluation of reports and response preparation ongoing. Indeterminate number of new concerns entering the program. Developing central data base.

Generic Program

Working recommendations. Evaluate new input from NSRS and WBN and put into generic program.

EQ PROJECT

QMDS and site modification work continuing.

WELDING PROGRAM

Final drafts were submitted to Licensing for review last week.

DESIGN CONTROL SURVEY

Final Gilbert/Commonwealth report in review.

UNDERVOLTAGE CALCULATIONS

Additional calculations, testing, and SCR evaluation/action continuing as needed.

OPEN NSRS REPORTS

Management review of NSRS letter is continuing.

SUPERHEAT

Evaluation of best resolution continuing.

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4/3/86

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FROM

WATTS BAR NUCLEAR PLANT - UNIT 1 MAJOR ACTIVITIES
FOR THE WEEKS OF APRIL 7 AND APRIL 14, 1986

Instrumentation

Tubing walk-down and rework continues.

Intake Pumping Station

ERCW work will be on hold until packing material arrives on April 30, 1986.

Steam Generators

Eddy current testing (ECT) continues on unit 2 steam generators. Work continues on steam generator instrument line modifications.

Reactor Coolant Pumps

Continuing repair/modification to all four RCP motors.

Environmental Qualification

Continuing activities similar to SQN. Field verification of exact location for all equipment in harsh environment will continue (including cables). Limitorque MOV internal wiring modification should begin April 14, 1986. Preparation of documentation packages is approximately 35% complete.

Main Feedwater Modification

Installation of motor-operated isolation valves on main feedwater headers.

Fifth Diesel Generator

Preop testing of the fifth diesel.

Ice Condenser

Ice bed servicing continues.

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WATTS BAR NUCLEAR PLANT UNIT 2
SAFETY-RELATED WORK
ACTIVITIES FOR THE WEEKS OF APRIL 7 AND APRIL 14, 1986

Engineering Design

Hangers and Civil

- Zero Period Analysis of Piping Systems
- Rigorous and Simplified Analyses
- Lateral Seismic Load Analysis on Cat. 1 (L) Supports
- Support Design and Support Variances
- Civil Concrete and Steel Design
- Thermal qualification of sampling and monitoring tubing

Electrical

- Various Electrical Studies, i.e., Undervoltage and Degraded Voltage Penetration Short Circuits
- Incore Thermocouple Upgrade
- Reg. Guide 1.97
- Instrumentation Task Force Support
- Cable Weights and Outside Diameters (Nominal) for Cable Pull Problems
- Standby diesel generator loading sequencing

Environmental Qualification

- Radiation Calculations
- Operating Times and Categories of Equipment
- Identification of Items to be Qualified (WBEL)
- Shutdown Logic Diagrams

Mechanical

- Equipment Seal Qualification (Ice Condensers)
- ERCW Pumping Station Problems
- Fire pump relief valve chatter (replacement)

Miscellaneous

- Resolution of Employee Concerns
- Resolution of Conditions Adverse To Quality (CAQs)
- Update of Calculations
- Field Change Requests
- Moderate Energy Line Break Analyses
- Resolution of compression fittings materials concerns

Resolution of Q-List Items

Welding Review Project Support

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CONSTRUCTION

Hangers

Hanger Installation On Various Piping Systems in the RB, AB, and TB

Civil

Welding and Shimming on Nuclear Steam Supply System Supports
Fabrication and installation of protective devices
Installation of supports on feedwater system
Protective coating in RB, AB, and TB

Electrical

Equipment Installation, Conduit Installation, Cable Pulling, and
Terminating On Systems To Support Near-Term Transfers
Side Wall Pressure Calculations In Support of Cable Pulling
Taking Cable Samples In Support of OE

Mechanical

System Hydrostatic Testing of Chemical Volume Ctl. System and Safety
Injection System
Valve Tagging on Auxiliary Feedwater System
Duct Work Installation on HVAC to CRDMs and Lower Compartment Coolers
Welding Encapsulation Sleeve on Main Steam System

Instrumentation

Installation and Inspection Procedure Review and Rewrite
Instrument Scaling

Welding

In Support of Piping and Hanger Installation
Reviewing Historical Files and Maintaining Welding Update Program

Startup Testing and Coordination

Coordinating Preventive Maintenance Program
Investigating Work Release Audit Deviation
Conducting N3C-912 Walkdown
Verifying As-Constructed Drawings For Security Transfer 2257(02) and
2257(03)

Preventive Maintenance on Non-Transferred Equipment on Unit 2

General

Investigation and Correction of Employee Concerns

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4/3/86

DISTRIBUTION FOR WEEKLY SCHEDULE OF TVA ACTIVITIES WEEKS OF 3/24/86 & 3/31/86

CENTRAL FILES

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NRC PDR		
TVA R/F (2)		
R. BERNERO	P-1102	27373
R. CLARK	P-822	28298
H. GILPIN	528	28705
M. GROTENHUIS	P-822	28649
T. KENYON	440	27377
T. NOVAK	528	227980
S. RICHARDSON	528	28235
B. K. SINGH	340	29797
L. SPESSARD	EWS-360	388-5552
C. STAHL	440	27485
D. MULLER	P-822	28026
C. UPRIGHT	528	28705
D. VERRELLI	REGION II	8/242-5526
J. VORSE	REGION II	8/242-6502
R. WESSMAN	528	27458
B. J. YOUNGBLOOD	316	27040
W. LONG	P-822	
B. K. SINGH	340	

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BELLEFONTE NUCLEAR PLANT
SIGNIFICANT ACTIVITIES
FOR THE WEEKS OF APRIL 7 AND APRIL 14, 1986

A. Nuclear Operations Activities

1. Maintenance and long-term preservation of equipment.
2. Preparing layup instructions for the electrical distribution systems, auxiliary feedwater, and decay heat removal system.

B. Design Engineering Activities

1. Continuing work on NCRs, SCR's, PIRs, and associated ECNs--including generic implications.
2. N-5 review of hanger package to ensure meeting code requirements.
3. Preparation of construction specification for plant layup.
4. Adding dehumidification equipment in QA record storage room
-- ECN 3474.

C. Construction Activities

1. Erecting small and large seismic pipe supports in RB1, CB, AB, IPS.
2. Installing ERCW piping in AB.
3. Erecting safety related HVAC ductwork in CB and AB.
4. Installing and reworking safety related conduit in RB1, CB, AB, DGB1 and IPS.
5. Erecting miscellaneous seismically qualified platforms in AB and RB1.
6. Installing and flushing instrument and control tubing in RB1 and AB.
7. Performing preventive maintenance on all safety related systems and equipment.
8. Reconfiguring Liquid Radwaste Disposal piping in AB.
9. Applying protective coating in RB-1.
10. Hydro testing startup and recirculation (CR) piping in AB and TB.

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