

ENCLOSURE 3

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MAR 7 1975

SUMMARY OF MEETING HELD IN BETHESDA ON THE DEVELOPMENT AND IMPLEMENTATION OF BABCOCK & WILCOX STANDARD TECHNICAL SPECIFICATIONS (B&W-STS)

On February 24, 1975, representatives from Duke Power Company, Florida Power Corporation, Metropolitan Edison Company, Sacramento Municipal Utility District, Toledo Edison Company, Babcock & Wilcox Company, and the NRC met at the Phillips Building, Bethesda, Maryland. A list of attendees is enclosed.

The purpose of the meeting was to discuss the B&W Utility Group review of the B&W-STS. Agenda items prepared by the Utility Group were discussed covering the following topics.

1. Organization and interface with NRC for STS review.
2. Time constraints for review completion, particularly as related to licensing of Davis-Besse.
3. The need for inclusion in STS of requirements outside plant design.
 - a. STS more restrictive than ASME code or design criteria.
 - b. Response time testing.
 - c. Channel calibration as defined in STS.
 - d. Inclusion of non-nuclear safety-related equipment in LCO's.
4. Acceptability of currently standardized B&W Tech Specs.
5. Involvement of NRC regional personnel.
6. Relationship of STS to Environmental Tech Specs.
7. Appropriateness of requirements for analysis in action section of STS.
8. Use of B&W nomenclature.
9. Legal status of bases.



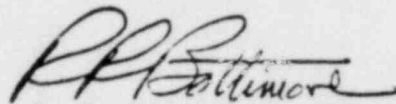
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10. Applicability of STS to non-177 plants.
11. Criteria for determining surveillance time requirements.

The details of the meeting and conclusions are presented in Enclosure 2.

The next meeting on March 4, 1975 will review the specific comments on B&W-STs Definitions and Safety Limits.



R. R. Bottimore, STS Group
Operating Reactors
Division of Reactor Licensing

Enclosures:

1. Attendance List
2. Summary of Meeting

cc w/encls:

See next page

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cc w/encls:

Arkansas Power & Light Company
ATTN: Mr. J. D. Phillips
Vice President & Chief Engineer
Sixth & Pine Streets
Pine Bluff, Arkansas 71601

Duke Power Company
ATTN: Mr. Austin C. Thies
Senior Vice President
422 South Church Street
P. O. Box 2178
Charlotte, North Carolina 28201

Florida Power Corporation
ATTN: Mr. J. T. Rodgers
Assistant Vice President
P. O. Box 14042
St. Petersburg, Florida 33733

Metropolitan Edison Company
ATTN: Mr. R. C. Arnold
Vice President - Generation
P. O. Box 542
Reading, Pennsylvania 19603

Sacramento Municipal Utility District
ATTN: Mr. E. K. Davis
General Manager
6201 S. Street, P. O. Box 15830
Sacramento, California 95813

The Toledo Edison Company
ATTN: Mr. Lowell E. Roe
Vice President, Power
Edison Plaza
300 Madison Avenue
Toledo, Ohio 43652

Babcock & Wilcox Company
ATTN: Mr. James F. Mallay
P. O. Box 1260
Lynchburg, Virginia 24505

ENCLOSURE NO. 1

ATTENDANCE LIST

MEETING ON B&W STANDARD TECH SPECS

NRC - STAFF

L. B. Engle
G. W. Manz
R. E. Hall
J. I. McMillen
R. R. Bottimore
A. Schwencer
J. M. McGough
K. R. Goller
G. E. Lear
D. H. Jaffe
L. W. McDonough

DUKE POWER COMPANY

T. L. Cotton

FLORIDA POWER CORPORATION

J. T. Rodgers
B. Simpson
J. Alberdi

METROPOLITAN EDISON COMPANY

R. C. Arnold

SACRAMENTO MUNICIPAL UTILITY DISTRICT

J. V. McColligan

TOLEDO EDISON COMPANY

E. C. Novak
J. Evans

BABCOCK & WILCOX COMPANY

J. F. Malloy
F. J. Levandoski
D. W. Montgomery

ENCLOSURE NO. 2

DETAILS OF MEETING

KEYED TO AGENDA ITEMS

1. The Standard Technical Specification Group (STSG) will interface with the Utility Group during the review and development of the generic B&W-STS. The assigned Licensing Project Manager (LPM) will interface with the applicant during the implementation of the B&W-STS on individual dockets. The STSG will coordinate the implementation effort with the LPM and applicant to provide guidance and insure uniformity of application. The NRC will, upon request of the Utility Group, issue letters to each of the utilities in the group inviting their participation in the review and development of the B&W-STS.
2. The review and development of the B&W-STS will be completed by June 30, 1975. The implementation of the STS on Davis-Besse Unit 1 will be done on a sectional basis following completion of each B&W-STS sectional review by approximately 30 days.
3.
 - a. All instances of STS requirements being more restrictive than ASME Code requirements or design criteria will be identified and resolved during the review of the specific STS sections.
 - b. The requirement for periodic response time testing of the Reactor Protection System and certain Engineered Safety Features represents an established NRC position stated in the Standard Review Plan. This requirement is necessary to confirm the validity of assumptions used in the accident analyses.
 - c. The definition of Channel Calibration in the STS is consistent with that used by IEEE-279 which requires the sensor to be included in the calibration.
 - d. All instances of inclusion of non-safety related specifications in the STS will be identified and resolved during review of specific sections.
4. The Utility Group pointed out that technical specifications for current B&W 177 fuel element plants represented in their view "Standardized 177 Technical Specifications" and were, therefore, suitable for use on the remaining 177 type plants to be licensed. They stated that the imposition of the NRC B&W-STS on 177 plants at this time was inappropriate and would involve an unnecessary expenditure of time and manpower to accommodate the review and modification of plant

procedures and possible retraining of operations personnel. We noted the relevance of these factors and responded that we believed the overall gains to be achieved on a long term basis through the standardization effort would offset these concerns. In addition, we noted that the B&W-STS for 177 plants would be used as the basis for development of STS's applicable to later generations of B&W plants now in the licensing process.

5. OI&E involvement in the B&W-STS review will be coordinated through Ray Hall of Headquarters according to previously established methods. The assigned OI&E inspector will be invited to attend and participate in meetings when the B&W-STS is implemented on individual cases.
6. Conflicts between the B&W-STS and the Environmental Technical Specifications will be identified and resolved during application on individual cases.
7. The basis for definition of analysis requirements will be identified and resolved during the review of specific STS sections.
8. B&W nomenclature will be used in the B&W-STS to describe systems, equipment and structures; however, the terminology for mode identification will remain standardized between the PWR vendors.
9. The Bases for the B&W-STS are not a part of the technical specifications pursuant to 10 CFR 50.36 but do provide a summary statement of the justification for each specification. Additional effort will be directed toward providing more definitive bases material during review of the B&W-STS.
10. As was noted in agenda item 4, the current B&W-STS will be used as the basis for STS's development for future classes of B&W plants.
11. The surveillance requirements in the B&W-STS are consistent with those used in other vendor STS's for comparable equipment. The requirements represent the staff's best estimate of the frequency and type of testing required to insure equipment operability based on data accumulated from operating plants.

ENCLOSURE 4

PROPOSED SCHEDULE FOR REVIEW OF B&W-STs

<u>TASK</u>	<u>TARGET DATE FOR COMPLETION</u>
1. Review STS Sections 1.0, 2.1, 2.2 and Bases	February 17, 1975
2. Forward comments on STS Sections 1.0, 2.1, 2.2 and Bases*	February 24, 1975
3. Issue agenda for meeting on STS Sections 1.0, 2.1, 2.2 and Bases. Proposed meeting date: March 19, 1975**	March 3, 1975
4. Review STS Sections 3/4.0 through 3/4.4 and Bases	March 17, 1975
5. Forward comments on STS Sections 3/4.0 through 3/4.4 and Bases	March 24, 1975
6. Issue agenda for meeting on STS sections 3/4.0 through 3/4.4 and Bases Proposed meeting date: April 16, 1975	March 31, 1975
7. Review STS Sections 3/4.5 through 3/4.6 and Bases	May 12, 1975
8. Forward comments on STS Sections 3/4.5 through 3/4.6 and Bases	May 19, 1975
9. Issue agenda for meeting on STS Sections 3/4.5 through 3/4.6 and Bases. Proposed meeting date: June 11, 1975.	May 26, 1975

*Within a week following review of the STS Sections, please inform us of particular comments on the sections under review. Comments may be forwarded in rough form by mail or telephone.

**Within one week of receipt of the comments the agenda of a review meeting, if required to be held, will be provided. In addition to a complete review of the STS sections, we will be prepared to answer any other specific concerns.

<u>TASK</u>	<u>TARGET DATE FOR COMPLETION</u>
10. Review STS Sections 3/4.7 through 3/4.10 and Bases	June 9, 1975
11. Forward comments on STS Sections 3/4.7 through 3/4.10 and Bases	June 16, 1975
12. Issue agenda for meeting on STS Sections 3/4.7 through 3/4.10 and Bases. Proposed meeting date: July 16, 1975	June 23, 1975
13. Review STS Sections 5.1 through 5.7 and 6.1 through 6.13.	July 14, 1975
14. Forward comments on STS Sections 5.1 through 5.7 and 6.1 through 6.13	July 21, 1975
15. Issue agenda for meeting on STS Sections 5.1 through 5.7 and 6.1 through 6.13. Proposed meeting date: August 13, 1975	July 28, 1975

Please mail or telephone your comments and questions to:

Robert R. Bottimore, Jr.
P-904
US Atomic Energy Commission
Washington, D. C. 20545
(301) 973-7744

ENCLOSURE 5

REVISED SCHEDULE FOR B&W STS

<u>TASK</u>	<u>TARGET DATE FOR COMPLETION</u>
1. Review STS Sections 1.0 and 2.1	February 17, 1975 (completed)
2. Forward comments on STS Sections 1.0 and 2.1	February 24, 1975 (completed)
3. NRC/B&W-UG meeting on STS Sections 1.0 and 2.1	March 19, 1975 (completed)
4. Review STS Sections 2.2 and Bases and 3/4.0 through 3/4.3	March 17, 1975 (completed)
5. Forward comments on STS Sections 2.2 and Bases and 3/4.0 through 3/4.3	March 24, 1975 (completed)
6. NRC/B&W-UG meeting on STS Sections 2.2 and Bases and 3/4.0 through 3/4.3	April 16, 1975 (completed)
7. Review STS Sections 3/4.4 through 3/4.8	April 23, 1975 (completed)
8. Forward comments on STS Sections 3/4.4 through 3/4.8	April 30, 1975
9. NRC/B&W-UG meeting on STS Sections 3/4.4 through 3/4.8	May 14, 1975
10. Review STS Sections 3/4.9 and 3/4.10 LCO Bases, Design Features and Administrative Controls	May 21, 1975
11. Forward comments on STS Sections 3/4.9 and 3/4.10, LCO Bases, Design Features and Administrative Controls	May 28, 1975
12. NRC/B&W-UG meeting on STS Sections 3/4.9 and 3/4.10, LCO Bases, Design Features and Administrative Controls	June 11, 1975
13. All B&W STS comments resolved	July 9, 1975

ENCLOSURE 6

SCHEDULE FOR B&W STS FOR DAVIS-BESSE, UNIT 1

<u>TASK</u>	<u>TARGET DATE FOR COMPLETION</u>
1. Review B&W STS Sections 1.0; 2.1; 2.2 and Bases; 3/4.0 through 3/4.3	May 7, 1975
2. Forward comments for Davis- Besse 1 STS Sections 1.0; 2.1; 2.2 and Bases; 3/4.0 through 3/4.3	May 14, 1975
3. NRC/TECO meeting on Davis- Besse 1 STS Sections 1.0; 2.1; 2.2 and Bases; 3/4.0 through 3/4.3	May 28, 1975
4. Review B&W STS Sections 3/4.4 through 3/4.8	June 4, 1975
5. Forward comments for Davis- Besse 1 STS Sections 3/4.4 through 3/4.8	June 11, 1975
6. NRC/TECO meeting on STS Sections 3/4.4 through 3/4.8	June 25, 1975
7. Review B&W STS Sections 3/4.9 through 3/4.10, LCO Bases, Design Features and Administrative Controls	July 2, 1975
8. Forward comments for Davis-Besse 1 STS Sections 3/4.9 through 3/4.10, LCO Bases, Design Features and Administrative Controls	July 16, 1975
9. NRC/TECO meeting on Davis-Besse 1 STS Sections 3/4.9 through 3/4.10 LCO Bases, Design Features and Administrative Controls	July 30, 1975

Con't Enclosure 6

<u>TASK</u>	<u>TARGET DATE FOR COMPLETION</u>
10. All Davis-Besse 1 STS comments resolved	August 13, 1975
11. Draft Davis-Besse 1 STS to Applicant for final review	August 20, 1975
12. Davis-Besse 1 STS finalized	September 19, 1975