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JAN 15 2001

SERIAL: BSEP 01-0009

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62
GENERIC LETTER 89-10 MOTOR-OPERATED VALVE PROGRAM STATUS AFTER
COMPLETION OF COMMITMENTS

Gentlemen:

In a letter dated March 20, 1998 (Serial: BSEP 98-0058), the Brunswick Steam Electric Plant (BSEP) identified and committed to actions necessary to support BSEP Generic Letter (GL) 89-10, "Safety-Related Motor-Operated Valve Testing and Surveillance," Motor-Operated Valve (MOV) program closure. A letter dated January 27, 1999 (Serial: BSEP 98-0246), provided a status update of the actions committed to in Serial: BSEP 98-0058 and listed commitments modified as a result of program activities. The program was, subsequently, closed by the NRC as documented in NRC Integrated Inspection Report Nos. 50-325/00-02 and 50-324/00-02. Submittal of this update letter completes the actions committed to in Serial: BSEP 98-0058 and Serial: BSEP 98-0246. The enclosure provides a status update of the committed actions. No additional commitments are contained in this submittal.

Please refer any questions regarding this submittal to Mr. Leonard R. Beller,
Supervisor - Licensing, at (910) 457-2073.

Sincerely,

David C. DiCello
Manager - Regulatory Affairs
Brunswick Steam Electric Plant

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Enclosure: **GENERIC LETTER 89-10 MOTOR-OPERATED VALVE PROGRAM STATUS
AFTER COMPLETION OF COMMITMENTS**

cc (with enclosure):

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ENCLOSURE

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
 DOCKET NOS. 50-325 AND 50-324
 LICENSE NOS. DPR-71 AND DPR-62
 GENERIC LETTER 89-10 MOTOR-OPERATED VALVE PROGRAM STATUS AFTER
 COMPLETION OF COMMITMENTS

Items listed below are in similar format to Serial: BSEP 98-0058, "Generic Letter 89-10 Motor-Operated Valve Program Commitments Related to Program Closure," dated March 20, 1998. Changes to the committed items documented in Serial: BSEP 98-0246, "1998 BSEP Generic Letter 89-10 Motor-Operated Valve Program 'End-Of-Year' Status," are also incorporated. All committed items listed below were completed by the commitment dates. Each of the items listed below contains a restatement of the item, followed by a discussion confirming completion.

1. Schedule of Margin Enhancement Modifications

As part of a commitment to implement the enhancement modifications identified and scheduled in the BSEP Motor-Operated Valve (MOV) Improvement Plan, the following schedule has been established for the MOVs listed in Tables 1-1 and 1-2 below.

Table 1-1

Unit 1 MOV Margin Enhancement Modification Schedule		
Tag Number	Scheduled Date of Margin Enhancement Modification Completion	Status
1-E51-F007	Before the end of start up testing for the next Unit 1 refuel outage B112R1 which is currently scheduled for the second quarter of 1998	Modification Complete
1-G31-F001	Before the end of start up testing for B112R1	Modification Complete
1-G31-F004	Before the end of start up testing for B112R1	Modification Complete
1-E11-F004A	Before the end of start up testing for the Unit 1 refuel outage B113R1 which is currently scheduled for the second quarter of 2000	Modification Complete
1-E11-F004B	Before the end of start up testing for B113R1	Modification Complete
1-E11-F028A	Before the end of start up testing for B113R1	Modification Complete
1-E11-F028B	Before the end of start up testing for B113R1	Modification Complete

Table 1-2

Unit 2 MOV Margin Enhancement Modification Schedule		
Tag Number	Scheduled Date of Margin Enhancement Modification Completion	Status
2-E11-F004D	Before the end of start up testing for the next Unit 2 refuel outage B214R1 which is currently scheduled for the second quarter of 1999	Modification Complete
2-E11-F028A	Before the end of start up testing for B214R1	Modification Complete
2-E11-F028B	Before the end of start up testing for B214R1	Modification Complete
2-E51-F007	Before the end of start up testing for B214R1	Modification Complete
2-G31-F001	Before the end of start up testing for B214R1	Modification Complete
2-G31-F004	Before the end of start up testing for B214R1	Modification Complete

Discussion:

The activities listed in Section 1, above, are complete.

2. Differential Pressure (DP) Test Schedule for Gate, Globe, and Butterfly Valves

As part of a commitment to implement the testing identified and scheduled in the BSEP MOV Improvement Plan, the following gate, globe, and butterfly valve testing schedule has been established for the MOVs listed in Tables 2-1 through 2-4 below.

Table 2-1

Unit 1 Schedule for MOV Gate and Globe Valve DP Testing				
Tag Number/Type	Sensor Installation	DP Test Target Date	DP Test Commitment Date	Status
1-E21-F031A/ gate	B112R1	August 1998	4 th Quarter 1998	Test Completed
1-E21-F031B/gate	B112R1	September 1998	4 th Quarter 1998	Test Completed
1-E11-F068A/globe	B112R1	July 1998	4 th Quarter 1998	Test Completed
1-E11-F068B/globe	B112R1	August 1998	4 th Quarter 1998	Test Completed
1-E41-F001/ double-disk gate	B112R1	June 1998	4 th Quarter 1998	Test Completed
1-E41-F008/globe	B113R1	April 2000	3 rd Quarter 2000	Test Completed

Table 2-2

Unit 2 Schedule for MOV Gate and Globe Valve DP Testing				
Tag Number/Type	Sensor Installation	DP Test Target Date	DP Test Commitment Date	Status
2-E21-F031A/gate	B214R1	May 1999	4 th Quarter 1999	Test Completed
2-E21-F031B/gate	B214R1	May 1999	4 th Quarter 1999	Test Completed
2-E11-F068A/globe	B214R1	June 1999	4 th Quarter 1999	Test Completed
2-E11-F068B/globe	B214R1	June 1999	4 th Quarter 1999	Test Completed
2-E41-F001/ double-disk gate	B214R1	June 1999	4 th Quarter 1999	Test Completed
2-E11-F024A/globe	B214R1	June 1999	4 th Quarter 1999	Test Completed

Table 2-3

Unit 1 Schedule for MOV Butterfly Valve DP Testing			
Tag Number	DP Test Target Date	DP Test Commitment Date	Status
1-SW-V19	September 1998	4 th Quarter 1998	Test Completed
1-SW-V117	February 1999	2 nd Quarter 1999	Test Completed
1-SW-V106	October 1998	1 st Quarter 1999	Test Completed
1-SW-V294	December 1998	1 st Quarter 1999	Test Completed
1-SW-V679	October 1998	1 st Quarter 1999	Test Completed
1-SW-V680	December 1998	1 st Quarter 1999	Test Completed

Table 2-4

Unit 2 Schedule for MOV Butterfly Valve DP Testing			
Tag Number	DP Test Target Date	DP Test Commitment Date	Status
2-SW-V13	June 1999	3 rd Quarter 1999	Test Completed
2-SW-V680	December 1998	1 st Quarter 1999	Test Completed
2-SW-V36	April 1999	3 rd Quarter 1999	Test Completed
2-SW-V3	April 1999	3 rd Quarter 1999	Test Completed
2-SW-V105	September 1999	4 th Quarter 1999	Test Completed
2-SW-V106	April 1999	3 rd Quarter 1999	Test Completed
2-SW-V679	October 1998	1 st Quarter 1999	Test Completed
2-SW-V102	September 1999	4 th Quarter 1999	Test Completed
2-SW-V103	April 1999	3 rd Quarter 1999	Test Completed

Discussion:

The activities listed in Section 2, above, are complete.

3. Ball Screw Rate of Loading (ROL) and Efficiency Test Schedule

As part of a commitment to implement the testing identified and scheduled in the MOV Improvement Plan, the following ball screw valve testing schedule has been established for the MOVs listed in Tables 3-1 and 3-2 below.

Table 3-1

Unit 1 Ball Screw MOV Testing and Evaluation Schedule			
Tag Number	Test Equipment Installation	DP Test and Evaluation Completion Date	Status
1-E11-F068A	During B112R1	4 th Quarter 1998	Test Completed
1-E11-F068B	During B112R1	4 th Quarter 1998	Test Completed
1-E41-F001	During B112R1	4 th Quarter 1998	Test Completed

Table 3-2

Unit 2 Ball Screw MOV Testing and Evaluation Schedule			
Tag Number	Test Equipment Installation	DP Test and Evaluation Completion Date	Status
2-E11-F024A	During B214R1	4 th Quarter 1999	Test Completed
2-E11-F024B	During B214R1	4 th Quarter 1999	Test Completed
2-E11-F068A	During B214R1	4 th Quarter 1999	Test Completed
2-E11-F068B	During B214R1	4 th Quarter 1999	Test Completed
2-E41-F001	During B214R1	4 th Quarter 1999	Test Completed

Discussion:

The activities listed in Section 3, above, are complete.

4. Reactor Water Cleanup (RWCU) System Valve 1-G31-F004 Packing Adjustment

The valve 1-G31-F004 will be VOTES tested to verify the packing load during the B112R1 refuel outage currently scheduled for the second quarter of 1998.

Discussion:

The activity described in Section 4, above, is complete.

5. Safety Evaluation Limitations of Electric Power Research Institute (EPRI) Performance Prediction Methodology (PPM) for Double-Disk Gate Valves

Current setup calculations for Anchor Darling double-disk gate valves will be reviewed to ensure compliance with EPRI PPM Safety Evaluation limitations. The limitations will be incorporated into the appropriate MOV setup calculations. The review of current calculations and incorporation of the limitations into the setup calculations will be completed by August 1, 1998.

Discussion:

The activity described in Section 5, above, is complete.

6. Industry Survey for Globe Valves to Confirm Acceptability of Valve Factor Assumption

An industry survey for globe valves of each type, size, rating, and manufacturer applicable to BSEP will be performed to provide further confirmation of the acceptability of the usage of a valve factor of 1.1 for non-DP-tested globe valves. The survey will be completed and confirmation made by July 1, 1998.

Discussion:

The activity described in Section 6, above, is complete. As discussed in NRC Integrated Inspection Report Nos. 50-325/98-10 and 50-324/98-10, Section E8.4, documents incorporating the globe valve survey information were corrected and clarified to improve auditability.

7. Residual Heat Removal System Valve 2-E11-F024B Torque Switch Adjustment

The torque switch for valve 2-E11-F024B will be adjusted to reduce the valve seating torque before the end of start up testing for the next Unit 2 refuel outage B214R1 which is currently scheduled for the second quarter of 1999.

Discussion:

The activity described in Section 7, above, is complete.

8. A submittal will be provided by January 29, 1999, detailing the 1998 BSEP GL 89-10 MOV program "end-of-the-year" status.

Discussion:

The activity described in Section 8, above, is complete based on submittal of Serial: BSEP 98-0246.

9. A submittal will be provided by January 31, 2001, detailing the BSEP GL 89-10 MOV program status after the completion of the other commitments listed in Enclosure 2 of this letter.

Discussion:

The activity described in Section 9, above, is complete based on this submittal.