PSE&G Public Service Electric and Gas Company

80 Park Plaza, Newark, NJ 07101 / 201 430-8217 MAILING ADDRESS / P.O. Box 570, Newark, NJ 07101

Robert L. Mittl General Manager
Nuclear Assurance and Regulation

April 4, 1985

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20814

Attention: Mr. Albert Schwencer, Chief
Licensing Branch 2
Division of Licensing

Gentlemen:

HOPE CREEK GENERATING STATION
DOCKET NO. 50-354
FSAR COMMITMENT STATUS THROUGH MARCH 1985

Public Service Electric and Gas Company presently plans to issue Amendment No. 10 to the Hope Creek Generating Station Final Safety Analysis Report by May 1, 1985. Accordingly, this letter is provided to document the status of Hope Creek Generating Station responses to NRC requests for additional information which were forecasted to be responded to by February 1985 and March 1985.

Attachment I is a tabulation of the Hope Creek Generating Station Final Safety Analysis Report commitments for February 1985 and March 1985, and the corresponding resolution for each commitment. Attachment II provides responses to commitments forecasted to be responded to in March 1985, which will be included in Amendment No. 10.

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Should you have any questions in this regard, please contact us.

Very truly yours,

R J Mitchell

Attachment I - Hope Creek Generating Station - FSAR Commitment Status through March 1985
Attachment II - Response to FSAR Sections 1.14.1.47.2 and 15.8.1

C D. H. Wagner (w/attach)
USNRC Licensing Project Manager

A. R. Blough (w/attach)
USNRC Senior Resident Inspector

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ATTACHMENT I
HOPE CREEK GENERATING STATION
FSAR COMMITMENT STATUS THROUGH MARCH 1985

FSAR Commitment Location	Commitment Resolution
1. FSAR Section 1.14.1.47.2	This commitment concerns providing an emergency operating procedure for reactor control for an ATWS event. This information is provided in Attachment II and will be included in Amendment 10 to the HCGS FSAR.
2. FSAR Section 1.14.1.66.2	This commitment concerns providing an emergency operating procedure for cold shutdown upon loss of Class 1E and non-Class 1E I&C buses. This information will be provided in June 1985. This revised commitment date will be included in Amendment 11 to the HCGS FSAR.
3. FSAR Section 3.4.1.1	This commitment concerns providing an abnormal operating procedure for "Acts of Nature." This information is available for review and is being submitted to NRC Region I.
4. FSAR Section 6.2.3.2.3	This commitment concerns providing the Feedwater Bypass Leakage Analysis. PSE&G will submit a response to SER Confirmatory Item No. 13 by April 15, 1985, addressing this commitment. NRC response to this submittal will be required to fulfill this commitment.

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ATTACHMENT I
HOPE CREEK GENERATING STATION
FSAR COMMITMENT STATUS THROUGH MARCH 1985

FSAR Commitment Location	Commitment Resolution
5. FSAR Section 9.5.1.5.3	This commitment concerns providing fire protection administrative procedures. This information is available for review.
6. FSAR Table 12.2-107	This commitment concerns providing radiation information on the dry radwaste container in this table. This information will be provided in April 1985.
7. FSAR Table 13.1-1a	This commitment concerns providing resumes for Nuclear Department management and technical services and support personnel in response to HCGS SER Open Item No. 11. Public Affairs Manager - Nuclear position has been filled and the resume will be included in Amendment 10 to the HCGS FSAR. The remaining resumes will be submitted as these positions are filled.
8. FSAR Section 15.8.1	(See FSAR Section 1.14.1.47.2 above)
9. Question/Response Appendix: Question 100.6	Re: TMI Item I.C.1; This commitment concerns providing EOPs based on the PGP which contains emergency procedure guidelines. EOPs are available for review and are being submitted to NRC Region I.

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ATTACHMENT I
HOPE CREEK GENERATING STATION
FSAR COMMITMENT STATUS THROUGH MARCH 1985

FSAR Commitment Location	Commitment Resolution
9. Question/Response Appendix: Question 100.6 (Cont'd)	Re: TMI Item I.C.5; This commitment concerns providing a procedure to assure feedback of operating experience. This procedure is available for review. Re: TMI Item I.C.8; This commitment concerns providing the PGP and plant specific emergency instructions. The PGP has been provided in letter; R. L. Mittl, PSE&G to A. Schwencer, NRC, dated January 28, 1985. EOPs are available for review and are being submitted to NRC Region I. Re: TMI Item II.B.1; This commitment concerns providing EOPs for HPCI, RCIC, and ADS. EOPs are available for review and are being submitted to NRC Region I. Re: TMI Item II.K.1.5; This commitment concerns providing procedures to assure that engineered safety features function properly. Procedures are available for review. Re: TMI Item II.K.1.10; This commitment concerns providing procedures for safety-related systems to assure operability status. Procedures are available for review and are being submitted to NRC Region I.

ATTACHMENT I
HOPE CREEK GENERATING STATION
FSAR COMMITMENT STATUS THROUGH MARCH 1985

FSAR Commitment Location	Commitment Resolution
9. Question/Response Appendix: Question 100.6 (Cont'd)	Re: TMI Item II.K.3.16; This commitment concerns providing preventive maintenance procedures for SRVs. Procedures are available for review.
10. Question/Response Appendix; Question 271.6	This commitment concerns providing seismic information in FSAR Table 3.10-3. This information will be provided in September 1985. This revised commitment date will be included in Amendment 11 to the HCGS FSAR.
11. Question/Response Appendix: Question 281.14	This commitment concerns developing a program to monitor a Boral surveillance program within the industry in response to HCGS DSER Open Item No. 140. This information will be provided in May 1985.
12. Question/Response Appendix: Question 410.4	(See FSAR Section 3.4.1.1 above)
13. Question/Response Appendix: Question 430.31	This commitment concerns addressing station blackout events by loss of electrical power procedure in compliance with NRC Generic Letter 81-04. This procedure is available for review.
14. Question/Response Appendix: Question 460.16	This commitment concerns providing details of HCGS implementation of 10CFR61 requirements related to licensed burial facility. This information will be provided in April 1985.

ATTACHMENT II

1.14.1.46.1 Issue

TMI Action Plan Item I.G.1 indicated the need to supplement operator training by completing a special low-power test program. Further clarification of this item includes the need to perform a simulated loss of ofsite and onsite ac power.

1.14.1.46.2 Response

See Section 1.10, Item I.G.1, for a discussion of operator training during low-power testing. The Nuclear Training Center will formulate and implement a training programfor station blackout by June 1985.

1.14.1.47 Emergency procedures Reactivity Control Guidelines, LRG II/2-HFS

1.14.1.47.1 Issue

Develop a generic reactivity control guideline which can be utilized for preparing an emergency operating procedure for an anticipated transient without scram (ATWS) event.

1.14.1.47.2 Response

HCGS will use the latest emergency procedure guidelines developed by the BWR Owners' Group. These procedures will be available by March 1, 1985.
HCGS Emergency Operating Procedure, OP-EO.ZZ-101, Reactor Control, contains the necessary actions to be taken during an ATWS event.

1.14.1.48 Common Reference For Reactor Vessel Level Measurement, LRG II/3-HFS

1.14.1.48.1 Issue

The NRC has asked that a common reference level be established for reactor water level instruments. This is TMI action item II.K.3.27.

15.8 ANTICIPATED TRANSIENTS WITHOUT SCRAM

15.8.1 REQUIREMENTS

The issue of postulated failure to scram the reactor following an anticipated transient, i.e., an anticipated transient without scram (ATWS), has been under consideration by the NRC. As a result of its assessment, the NRC has required the recirculation pump trip (RPT) feature for the boiling water reactor (BWR).

It should be noted that the NRC has determined that the probability of an ATWS event is acceptably small, and that any additional plant modifications for ATWS need not satisfy the requirements for a design basis accident.

The HCGS emergency operating procedures will be developed from the BWR Owners' Group Generic Emergency Procedure Guidelines. ATWS events are covered in these guidelines. The Hope Creek Generating Station Emergency Operating Procedure, OP-EO.ZZ-~~101~~ 101, Reactor Control, ~~will be developed by January 1985, and will~~ contains the necessary actions to be taken during an ATWS event. Training programs for reactor operators, senior reactor operators, and shift technical advisers will incorporate the bases and philosophy of the GE/BWR Owners' Group generic emergency operating procedures until such time as the HCGS emergency operating procedures are developed.

15.8.2 PLANT CAPABILITIES

The Hope Creek Generating Station (HCGS) design uses diverse, highly redundant, and very reliable scram systems. This includes the normal scram systems, plus the electrically-diverse alternate rod insertion (ARI) system. Each of these systems is frequently tested and would insert the control rods even if multiple component failures should occur, thus making the probability of an anticipated transient without scram (ATWS) event extremely remote.

The ATWS recirculation pump trip (RPT) feature prevents reactor vessel overpressure and possible short-term fuel damage for the most limiting postulated ATWS event. Subsequent to an ATWS event for which the ARI system does not insert the control rods, the long-term shutdown of the reactor can be accomplished by either