



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20666-0001

PUBLIC SERVICE ELECTRIC & GAS COMPANY

ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-354

HOPE CREEK GENERATING STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 76
License No. NPF-57


1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
 - A. The application for amendment filed by the Public Service Electric & Gas Company (PSE&G) dated April 25, 1994, as supplemented July 24, 1995, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-57 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 76, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into the license. PSE&G shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. The license amendment is effective as of its date of issuance and shall be implemented within 60 days.

FOR THE NUCLEAR REGULATORY COMMISSION


John F. Stolz, Director
Project Directorate 1-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: August 1, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 76

FACILITY OPERATING LICENSE NO. NPF-57

DOCKET NO. 50-354

Replace the following pages of the Appendix "A" Technical Specifications with the attached pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

<u>Remove</u>	<u>Insert</u>
3/4 6-20	3/4 6-20
3/4 6-21	3/4 6-21
3/4 6-29	3/4 6-29
3/4 6-30	3/4 6-30
3/4 6-31	3/4 6-31
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TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>PENETRATION NUMBER</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>	<u>NOTE(S)</u>	<u>F&ID</u>
(c) MSIV Sealing System Isolation Valves				
Outside:				
Line A HV-5834A (KP-V010)	P1A	45	1	M-72-1
Line B HV-5835A (KP-V009)	P1B	45	1	
Line C HV-5836A (KP-V008)	P1C	45	1	
Line D HV-5837A (KP-V007)	P1D	45	1	
2. Group 2 - Reactor Recirculation Water Sample System				
(a) Reactor Recirculation Water Sample Line Isolation Valves				
Inside: BB-SV-4310				
Outside: BB-SV-4311	P17	15	3	M-43-1
	P17	15	3	
3. Group 3 - Residual Heat Removal (RHR) System				
(a) RHR Suppression Pool Cooling Water & System Test Isolation Valves				
Outside:				
Loop A: HV-F024A (BC-V124)	P212B	180	11	M-51-1
HV-F010A (BC-V125)	P212B	180	11	
Outside:				
Loop B: HV-F024B (BC-V028)	P212A	180	11	M-51-1
HV-F010B (BC-V027)	P212A	180	11	
(b) RHR to Suppression Chamber Spray Header Isolation Valves				
Outside:				
Loop A: HV-F027A (BC-V112)	P214B	75	3	M-51-1
Loop B: HV-F027B (BC-V015)	P214A	75	3	

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>PENETRATION NUMBER</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>	<u>NOTE(S)</u>	<u>P&ID</u>
(c) RHR Shutdown Cooling Suction Isolation Valves				M-51-1
Inside: HV-F009 (BC-V071)	P3	45	3	
Outside: HV-F009 (BC-V164)	P3	45	3	
(d) RHR Head Spray Isolation Valves				M-51-1
Inside: HV-F022 (BC-V021)	P10	60	3	
Outside: HV-F023 (BC-V020)	P10	60	3	
(e) RHR Shutdown Cooling Return Isolation Valves				M-51-1
Outside:				
Loop A: HV-F015A (BC-V110)	P4B	45	3	
Loop B: HV-F015B (BC-V013)	P4A	45	3	
4. Group 4 - Core Spray System				
Outside:				
(a) Core Spray Test to Suppression Pool Isolation Valves				M-52-1
Loop A: HV-F015A (BE-V025)	P217B	80	11	
Loop B: HV-F015B (BE-V026)	P217A	80	11	
5. Group 5 - High Pressure Coolant Injection (HPCI) System				
(a) HPCI Turbine Steam Supply Isolation Valves				M-55-1
Inside: HV-F002 (FD-V001)	P7	NA	3	
HV-F100 (FD-V051)	P7	NA	3	
Outside: HV-F003 (FD-V002)	P7	NA	3	
(b) HPCI Pump Suction Isolation Valve				M-55-1
Outside:				
HV-F042 (BJ-V009)	P202	NA	11	

TABLE 3.6.3-1 (Continued)
PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>PENETRATION NUMBER</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>	<u>NOTE(S)</u>	<u>P&ID</u>
(b) DLD-RMS Return Isolation Valves				M-25-1
Outside:				
HU-4957 (SK-V008)	J5A	45	3	
HV-4981 (SK-V009)	J5A	45	3	
<u>B. Remote Manual Isolation Valves</u>				
1. Group 21 - Feedwater System				
(a) Feedwater Isolation Valves				M-41-1
Outside Check Valves				
HV-F032B (AE-V001)	P2A	NA	2	
HV-F032A (AE-V005)	P2B	NA	2	
(b) Reactor Water Cleanup System Return				
Outside:				
HV-F039 (AE-V021)	P2A&B	NA	2	M-44-1
2. Group 22 - High Pressure Coolant Injection (HPCI) System				
(a) Core Spray Discharge Valve				
Outside:				
HV-F006 (BJ-V001)	P5B	NA	3	M-55-1
(b) Turbine Exhaust Valve				
Outside:				
HV-F071 (FD-V006)	P201	NA	4	M-55-1
(c) HPCI Minimum Return Line Valve				
Outside:				
HV-F012 (BJ-V016)	P203	NA	11	M-55-1
(d) Feedwater Line Discharge Valve				
Outside:				
HV-8278 (BJ-V059)	P2B	NA	2	M-55-1
3. Group 23 - Reactor Core Isolation Cooling (RCIC) System				
(a) RCIC Turbine Exhaust Valve				
Outside:				
HV-F059 (FC-V005)	P207	NA	4	M-49-1
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		3/4 6-29		

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>PENETRATION NUMBER</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>	<u>NOTE(S)</u>	<u>P&ID</u>
Outside: (b) RCIC Pump Suction Isolation Valve HV-F031 (BD-V003)	P208	NA	11	M-49-1
Outside: (c) RCIC Minimum Return Line Isolation Valve SV-F019	P209	NA	11	M-49-1
Outside: (d) RCIC Vacuum Pump Discharge HV-F060 (FC-V011)	P210	NA	4	M-49-1
(e) Feedwater Line Discharge Valve Outside: HV-F013 (BD-V005)	P2A	NA	2	M-49-1
4. Group 25 - Core Spray System				
(a) Core Spray injection Valves Outside: Loop A&C HV-F005A (BE-V007) Loop B&D HV-F005B (BE-V003)	P5B P5A	NA NA	3 3	M-52-1
(b) Core Spray Suppression Pool Suction Valves Outside: Loop A HV-F001A (BE-V017) Loop B HV-F001B (BE-V019) Loop C HV-F001C (BE-V018) Loop D HV-F001D (BE-V020)	P216D P216A P216C P216B	NA NA NA NA	11 11 11 11	M-52-1
(c) Core Spray Minimum Flow Valves Outside: Loop A&C HV-F031A (BE-V035) Loop B&D HV-F031B (BE-V036)	P217B P217A	NA NA	11 11	M-52-1
(d) Core Spray Injection Line Bypass Valves Inside: HV-F039A (BE-V071) HV-F039B (BE-V072)	P5B P5A	NA NA	3 3	M-52-1

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER	PENETRATION NUMBER	MAXIMUM ISOLATION TIME (Seconds)	NOTE(S)	P&ID
5. Group 26 - Residual Heat Removal System				
(a) Low Pressure Coolant Injection Valves Outside:				M-51-1
Loop A: HV-F017A (BC-V113)	P6C	NA	3	
Loop B: HV-F017B (BC-V016)	P6B	NA	3	
Loop C: HV-F017C (BC-V101)	P6D	NA	3	
Loop D: HV-F017D (BC-V004)	P6A	NA	3	
(b) RHR Containment Spray Outside:				M-51-1
Loop A: HV-F021A (BC-V116)	P24B	NA	3	
HV-F016A (BC-V115)	P24B	NA	3	
Loop B: HV-F021B (BC-V019)	P24A	NA	3	
HV-F016B (BC-V018)	P24A	NA	3	
(c) RHR Suppression Pool Suction Outside:				M-51-1
Loop A: HV-F004A (BC-V103)	P211C	NA	11	
Loop B: HV-F004B (BC-V006)	P211B	NA	11	
Loop C: HV-F004C (BC-V098)	P211D	NA	11	
Loop D: HV-F004D (BC-V001)	P211A	NA	11	
(d) RHR Minimum Flow Isolation Valves Outside:				M-51-1
Loop A: HV-F007A (BC-V128)	P212B	NA	11	
Loop B: HV-F007B (BC-V031)	P212A	NA	11	
Loop C: HV-F007C (BC-V131)	P212B	NA	11	
Loop D: HV-F007D (BC-V034)	P212A	NA	11	

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER	PENETRATION NUMBER	MAXIMUM ISOLATION TIME (Seconds)	NOTE(S)	P&ID
5. Group 35 - Breathing Air System				M-15-1
Inside KG-V016	P31	NA	3	
Outside KG-V034	P31	NA	3	
6. Group 36 - TIP Purge System				
Inside:				
Check Valve: SE-V006	P34F	NA	3	M-59-1
7. Group 37 - HPCI System				
Outside:				
HPCI Turbine Exhaust: FD-V004	P201	NA	4	M-55-1
8. Group 38 - RCIC System				
Outside:				
RCIC Turbine Exhaust: FC-V003	P207	NA	4	M-49-1
Vacuum Pump Discharge: FC-V010	P210	NA	4	M-49-1
9. Group 39 - RHR System				
(a) Thermal Relief Valves				
Outside:				M-51-1
Loop A: BC-PSV-F025A	P212B	NA	5	
Loop B: BC-PSV-F025B	P212A	NA	5	
Loop C: BC-PSV-F025C	P212B	NA	5	
Loop D: BC-PSV-F025D	P212A	NA	5	
(b) Jockey Pump Discharge Check Valves				
Outside:				M-51-1
Loops A & C: (BC-V206)	P212B	NA	11	
Loops B & D: (BC-V260)	P212A	NA	11	
(c) RHR Heat Exchanger Thermal Relief Valves				
Outside:				M-51-1
BC-PSV-4431A	P213B	NA	5	
BC-PSV-4431B	P213A	NA	5	

TABLE 6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER	PENETRATION NUMBER	MAXIMUM ISOLATION TIME (Seconds)	NOTE(S)	P&ID
(d) RHR Shutdown Cooling Suction Thermal Relief Valve Inside: BC-PSV-4425	P3	NA	3	M-51-1
(e) LPCI Injection Line Check Valves Inside: HV-F041A (BC-V114) HV-F041B (BC-V017) HV-F041C (BC-V102) HV-F041D (BC-V005)	P6C P6B P6D P6A	NA NA NA NA	3 3 3 3	M-51-1
(f) Shutdown Cooling Return Line Check Valves Inside: HV-F050A (BC-V111) HV-F050B (BC-V014)	P4B P4A	NA NA	3 3	M-51-1
(g) RHR Suppression Pool Return Valves Outside: HV-F011A (BC-V126) HV-F011B (BC-V026)	P212B P212A	NA NA	11 11	M-51-1
10. Group 40 - Core Spray System				
(a) Thermal Relief Valves Outside: Loop A&C: BE-PSV-F012A Loop B&D: BE-PSV-F012B	P217B P217A	NA NA	5 5	M-52-1
(b) Core Spray Injection Line Check Valves Inside: HV-F006A (BE-V006) HV-F006B (BE-V002)	P5B P5A	NA NA	3 3	M-52-1
11. Group 11 - Drywell Pressure Instrumentation Outside: BB-V563 BB-V564 BB-V565 BB-V566	J6A J8D J7A J10D	NA NA NA NA	6 6 6 6	M-42-1

TABLE 3.6.1.1

PRIMARY CONTAINMENT ISOLATION VALVES

NOTES

NOTATION

1. Main Steam Isolation Valves are sealed with a seal system that maintains a positive pressure of 5 psig above reactor pressure. Leakage is inleakage and is not added to 0.60 La allowable leakage.*
2. Containment Isolation Valves are sealed with a water seal from the HPCI and/or RCIC system to form the long-term seal boundary of the feedwater lines. The valves are tested with water at 1.10 Pa, 52.9 psig, to ensure the seal boundary will prevent by-pass leakage. Seal boundary liquid leakage will be limited to 10 gpm.
3. Containment Isolation Valve, Type C gas test at Pa, 48.1 psig. Leakage added to entire system leakage. Allowable leakage for entire system limited to 0.60La.
4. Containment Isolation Valve, Type C water test at 1.10 Pa, 52.9 psig delta P. Leakage added to entire system leakage. Allowable leakage for entire system limited to 10 gpm.
5. Containment boundary is discharge nozzle of relief valve, leakage tested during Type A test.*
6. Drywell and suppression chamber pressure and level instrument root valves and excess flow check valves. Leakage tested during Type A.*
7. Explosive shear valves SB-V011 through SB-V025, not Type C tested.*
8. Surveillances to be performed per Specification 3.6.1.8.
9. All valve I.D. numbers are preceded by a numeral 1 which represents an Unit 1 valve.
10. The reactor vessel head seal leak detection line (penetration J5C) excess flow check valve (BB-XV-3649) is not subject to OPERABILITY testing. This valve will not be exposed to primary system pressure except under the unlikely conditions of a seal failure where it could be partially pressurized to reactor pressure. Any leakage path is restricted at the source; therefore, this valve need not be OPERABILITY tested.
11. Containment Isolation Valves 57 are not Type C tested. Containment by-pass leakage is prevented since the line terminates below the minimum water level in the suppression chamber and the system is a closed system outside Primary Containment. Refer to Specification 4.0.5.

*Exemption to Appendix J of 10 CFR Part 50.