



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038-0236  
Nuclear Business Unit

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U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Gentlemen:

**MONTHLY OPERATING REPORT  
HOPE CREEK GENERATING STATION UNIT 1  
DOCKET NO. 50-354**

In compliance with Section 6.9, Reporting Requirements for the Hope Creek Technical Specifications, the operating statistics for **September 1998** are being forwarded. No changes, tests, and experiments were implemented during **September 1998** that require a summary to be forwarded to you pursuant to the requirements of 10CFR50.59(b).

Sincerely,

*[Handwritten signature]* FOR M. BEZILLA

Mark B. Bezilla  
General Manager -  
Hope Creek Operations

RAR/mw  
Attachments

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DOCKET NO.: 50-354  
 UNIT: Hope Creek  
 DATE: 10/12/98  
 COMPLETED BY: F. Todd  
 TELEPHONE: (609) 339-1316

Reporting Period September 1998

OPERATING DATA REPORT

Design Electrical Rating (MWe-Net)  
 Maximum Dependable Capacity (MWe-Net)  
 No. of hours reactor was critical  
 No. of hours generator was on line (service hours)  
 Unit reserve shutdown hours  
 Net Electrical Energy (MWH)

	1067		
	1031		
	Month	Year-to-date	Cumulative
	720	6551	87091
	720	6551	85621
	0	0	0
	734972	6735954	86633106

UNIT SHUTDOWNS

NO.	DATE	TYPE F=FORCED S=SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTION/ COMMENT
N/A						

(1) Reason

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operational Error (Explain)
- H - Other

(2) Method

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

DOCKET NO.: 50-354  
UNIT: Hope Creek  
DATE: 10/12/98  
COMPLETED BY: R. Ritzman  
TELEPHONE: (609) 339-1445

### Summary Of Monthly Operating Experience

- Hope Creek entered the month of September at approximately 100% reactor power.
- On September 12, power was reduced for condenser water box tube leak repairs. Power was restored to approximately 100% reactor power on September 13.
- At the end of the month, Hope Creek had completed its 291st day of continuous power operation.

DOCKET NO.: 50-354  
UNIT: Hope Creek  
DATE: 10/10/98  
COMPLETED BY: R. F. [REDACTED]  
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**SUMMARY OF CHANGES, TESTS, AND EXPERIMENTS**  
**FOR THE HOPE CREEK GENERATING STATION**

**MONTH SEPTEMBER 1998**

The following items completed during **September 1998** have been evaluated to determine:

1. If the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety previously evaluated in the safety analysis report may be increased; or
2. If a possibility for an accident or malfunction of a different type than any evaluated previously in the safety analysis report may be created; or
3. If the margin of safety as defined in the basis for any technical specification is reduced.

The 10CFR50.59 Safety Evaluations showed that these items did not create a new safety hazard to the plant nor did they affect the safe shutdown of the reactor. These items did not change the plant effluent releases and did not alter the existing environmental impact. The 10CFR50.59 Safety Evaluations determined that no unreviewed safety or environmental questions are involved.

**Design Changes Summary of Safety Evaluations**

There were no reportable changes in this category implemented during September 1998.

**Temporary Modifications Summary of Safety Evaluations**

There were no reportable changes in this category implemented during September 1998.

### Procedures Summary of Safety Evaluations

There were no reportable changes in this category implemented during September 1998.

### UFSAR Change Notices Summary of Safety Evaluations

There were no reportable changes in this category implemented during September 1998.

### Deficiency Reports Summary of Safety Evaluations

There were no reportable changes in this category implemented during September 1998.

### Other Summary of Safety Evaluation

**Engineering Evaluation H-1-GJ-MEE-1264, Safety-Related Chiller Operation and River Water Temperature.** This engineering evaluation revises the initiation of the back-up air/gas supply to the safety-related chiller Safety Auxiliaries Cooling System (SACS) flow control valves from a part-time temperature-dependent service to a full-time service. This will ensure that the Control Room chillers will not trip due to low SACS temperatures, and that SACS will be able to provide sufficient flow to the Residual Heat Removal (RHR) heat exchangers for all cross tied configurations during periods of high SACS temperatures.

Under the existing design condition, without the back-up air/gas supply system, a plant loss of Instrument Air could cause the Control Room and 1E Panel Room chillers to trip on low evaporator refrigerant pressure when SACS temperature is  $\leq 70^{\circ}\text{F}$ . SACS would not be able to provide sufficient flow to the RHR heat exchangers for all cross-tied configurations during periods of high SACS temperatures under all accident conditions.

This proposal revises the back-up air/gas supply system from a part-time temperature-dependent service to a full-time service. The change increases the reliability of the Control Area Chilled Water System and will not adversely affect the design function of the system, nor does it increase any probabilities or consequences of any malfunctions of equipment important to safety or accidents as described in the UFSAR accident analyses. There is no USQ and the UFSAR is changed to reflect the back-up air/gas supply to a full-time service.