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Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Hope Creek Generating Station

October 15, 1990
HSE-90-342

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

Dear Sir:

MONTHLY OPERATING REPORT
HOPE CREEK GENERATION 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 are being forwarded to you with the summary of changes, tests, and experiments for September 1990 pursuant to the requirements of 10CFR50.59(b).

Sincerely yours,

C. P. Johnson
General Manager -
Hope Creek Operations

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Attachments

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-354
UNIT Hope Creek
DATE 10/15/90
COMPLETED BY M. Zapolski
TELEPHONE (609) 339-3738

MONTH September 1990

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	<u>1039</u>
2.	<u>1046</u>
3.	<u>1027</u>
4.	<u>1041</u>
5.	<u>1041</u>
6.	<u>1033</u>
7.	<u>1025</u>
8.	<u>1048</u>
9.	<u>1033</u>
10.	<u>1038</u>
11.	<u>1036</u>
12.	<u>1031</u>
13.	<u>1045</u>
14.	<u>1030</u>
15.	<u>1039</u>
16.	<u>1048</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17.	<u>1047</u>
18.	<u>1058</u>
19.	<u>1053</u>
20.	<u>1039</u>
21.	<u>1055</u>
22.	<u>987</u>
23.	<u>1049</u>
24.	<u>1058</u>
25.	<u>1050</u>
26.	<u>1049</u>
27.	<u>1073</u>
28.	<u>1031</u>
29.	<u>1045</u>
30.	<u>1037</u>
31.	

OPERATING DATA REPORT

DOCKET NO. 50-354
UNIT Hope Creek
DATE 9/14/90
COMPLETED BY M. Zapolski
TELEPHONE (609) 339-3738

OPERATING STATUS

1. REPORTING PERIOD August 1990 GROSS HOURS IN REPORTING PERIOD 744

2. CURRENTLY AUTHORIZED POWER LEVEL (MWt) 3293
MAX. DEPEND. CAPACITY (MWe-Net) 1031
DESIGN ELECTRICAL RATING (MWe-Net) 1067

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net) None

4. REASONS FOR RESTRICTION (IF ANY)

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NO. OF HOURS REACTOR WAS CRITICAL	<u>744.0</u>	<u>5515.8</u>	<u>27277.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. HOURS GENERATOR ON LINE	<u>744.0</u>	<u>5479.3</u>	<u>26,830.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,433,912</u>	<u>17,666,457</u>	<u>84,622,833</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>798,010</u>	<u>5,826,830</u>	<u>27,983,093</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>763,866</u>	<u>5,581,446</u>	<u>26,737,995</u>
12. REACTOR SERVICE FACTOR	<u>100.0</u>	<u>94.6</u>	<u>84.1</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>	<u>94.6</u>	<u>84.1</u>
14. UNIT SERVICE FACTOR	<u>100.0</u>	<u>94.0</u>	<u>82.8</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0</u>	<u>94.0</u>	<u>82.8</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>99.6</u>	<u>92.8</u>	<u>80.0</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>96.2</u>	<u>89.7</u>	<u>77.3</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0</u>	<u>3.6</u>	<u>5.2</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION): Refueling, 12/26/90, 50 days			
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP: N/A			

OPERATING DATA REPORT

DOCKET NO. 50-354
UNIT Hope Creek
DATE 10/15/90
COMPLETED BY M. Zapolski
TELEPHONE (609) 339-3738

OPERATING STATUS

1. Reporting Period September 1990 Gross Hours in Report Period 720
2. Currently Authorized Power Level (MWt) 3293
Max. Depend. Capacity (MWe-Net) 1031
Design Electrical Rating (MWe-Net) 1067
3. Power Level to which restricted (if any) (MWe-Net) None
4. Reasons for restriction (if any)
5. No. of hours reactor was critical

	This Month	Yr To Date	Cumulative
6. Reactor reserve shutdown hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Hours generator on line	<u>720.0</u>	<u>6199.3</u>	<u>27,550.5</u>
8. Unit reserve shutdown hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. Gross thermal energy generated (MWH)	<u>2,366,511</u>	<u>20,032,968</u>	<u>86,989,344</u>
10. Gross electrical energy generated (MWH)	<u>782,480</u>	<u>6,609,310</u>	<u>28,765,573</u>
11. Net electrical energy generated (MWH)	<u>749,563</u>	<u>6,331,009</u>	<u>27,487,558</u>
12. Reactor service factor	<u>100.0</u>	<u>95.2</u>	<u>84.5</u>
13. Reactor availability factor	<u>100.0</u>	<u>95.2</u>	<u>84.5</u>
14. Unit service factor	<u>100.0</u>	<u>94.6</u>	<u>83.1</u>
15. Unit availability factor	<u>100.0</u>	<u>94.6</u>	<u>83.1</u>
16. Unit capacity factor (using MDC)	<u>101.0</u>	<u>93.7</u>	<u>80.4</u>
17. Unit capacity factor (Using Design MWe)	<u>97.6</u>	<u>90.6</u>	<u>77.7</u>
18. Unit forced outage rate	<u>0.0</u>	<u>3.2</u>	<u>5.1</u>
19. Shutdowns scheduled over next 6 months (type, date, & duration):
Refueling, 12/26/90, 50 days
20. If shutdown at end of report period, estimated date of start-up:
N/A

DOCKET NO. 50-354
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NO.	DATE	TYPE F=FORCED S=SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTION/COMMENTS
						NONE

Summary

REFUELING INFORMATION

DOCKET NO. 50-354
UNIT Hope Creek
DATE 10/15/90
COMPLETED BY C. Brennan
TELEPHONE (609) 339-1232

MONTH September 1990

1. Refueling information has changed from last month:

Yes No X

2. Scheduled date for next refueling: 12/26/90

3. Scheduled date for restart following refueling: 02/13/91

4. A. Will Technical Specification changes or other license amendments be required?

Yes No X

B. Has the reload fuel design been reviewed by the Station Operating Review Committee?

Yes No X

If no, when is it scheduled? not currently scheduled

5. Scheduled date(s) for submitting proposed licensing action: N/A

6. Important licensing considerations associated with refueling:

- Amendment 34 to the Hope Creek Tech Specs allows the cycle specific operating limits to be incorporated into the CORE OPERATING LIMITS REPORT; a submittal is therefore not required.

7. Number of Fuel Assemblies:

A. Incore	<u>764</u>
B. In Spent Fuel Storage (prior to refueling)	<u>496</u>
C. In Spent Fuel Storage (after refueling)	<u>760</u>

8. Present licensed spent fuel storage capacity: 4006

Future spent fuel storage capacity: 4006

9. Date of last refueling that can be discharged to spent fuel pool assuming the present licensed capacity: July 22, 2007

HOPE CREEK GENERATING STATION

MONTHLY OPERATING SUMMARY

SEPTEMBER 1990

Hope Creek entered the month of September at approximately 100% power. The unit operated throughout the month without experiencing any shutdowns or reportable power reductions. On September 30, the plant completed its 187th day of continuous power operation. Hope Creek's previous longest continuous run was 175 days.

SUMMARY OF CHANGES, TESTS, AND EXPERIMENTS
FOR THE HOPE CREEK GENERATING STATION

SEPTEMBER 1990

The following Temporary Modification Request (TMR) has 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 TMR did not create a new safety hazard to the plant nor did it affect the safe shutdown of the reactor. The TMR did not change the plant effluent releases and did not alter the existing environmental impact. The Safety Evaluation determined that no unreviewed safety or environmental questions are involved.

TMR

Description of Temporary Modification Request

90-050

This TMR added a jumper to the High Oil Temperature Switch in the "A" Control Room Water Chiller. The jumper will disable the High Bearing Oil Temperature trip; but will permit the chiller to operate until replacement parts can be installed. Equipment Operators will monitor the oil temperatures as a compensatory measure.