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Vice President

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Indian Point Station
Broadway & Bleakley Avenue
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December 15, 1989

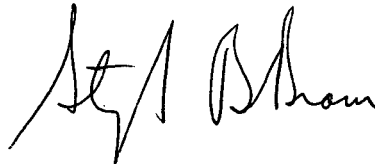
Re: Indian Point Station
Docket No. 50-247

Director, Office of Management
and Program Analysis
US Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir:

Enclosed are twelve copies of the Monthly Operating Report for
Indian Point Unit No. 2 for the month of November, 1989.

Very truly yours,



Enclosure

cc: Document Control Desk
US Nuclear Regulatory Commission
Mail Station P1-137
Washington, DC 20555

Mr. William Russell
Regional Administrator - Region I
US Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Senior Resident Inspector
US Nuclear Regulatory Commission
PO Box 38
Buchanan, NY 10511

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OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 12/8/89
 COMPLETED BY K. Krieger
 TELEPHONE (914) 526-5155

OPERATING STATUS

1. Unit Name: Indian Point Unit No. 2
2. Reporting Period: November 1989
3. Licensed Thermal Power (MWt): 2758
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 873
6. Maximum Dependable Capacity (Gross MWe): 900
7. Maximum Dependable Capacity (Net MWe): 864
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	8016	135169
12. Number Of Hours Reactor Was Critical	363.50	4971.36	93082.36
13. Reactor Reserve Shutdown Hours	0	12.89	3922.90
14. Hours Generator On-Line	353.60	4914.33	90561.15
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	862548	12862040	244882133
17. Gross Electrical Energy Generated (MWH)	278202	4136245	74066832
18. Net Electrical Energy Generated (MWH)	260285	3960517	70761418
19. Unit Service Factor	49.1	61.3	67.0
20. Unit Availability Factor	49.1	61.3	67.0
21. Unit Capacity Factor (Using MDC Net)	41.8	57.7	61.0
22. Unit Capacity Factor (Using DER Net)	41.4	56.6	60.0
23. Unit Forced Outage Rate	0	0.3	7.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Maintenance/2-24-90/28 Days			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	/	/
INITIAL ELECTRICITY	/	/
COMMERCIAL OPERATION	/	/

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
 UNIT I.P. Unit #2
 DATE 12/8/89
 COMPLETED BY K. Krieger
 TELEPHONE (914) 526-5155

MONTH November 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	321
2	0	18	737
3	0	19	765
4	0	20	453
5	0	21	859
6	0	22	880
7	0	23	876
8	0	24	869
9	0	25	885
10	0	26	874
11	0	27	880
12	0	28	875
13	0	29	890
14	0	30	891
15	0	31	---
16	87		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-247
 UNIT NAME I.P. Unit #2
 DATE 12/8/89
 COMPLETED BY K. Krieger
 TELEPHONE (914) 526-5155

REPORT MONTH November 1989

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
3	891025	S	366.40	A	1		CH	HTEXCH F	Linear Indications/Inspect & Repair.
N/A	891116	F	0	H	4		CG	HTEXCH F	Chemistry Hold, Due to Steam Generator Chemistry.
N/A	891119	F	0	A	4		CH	VALVEX B	Condensate Flow Control Valve 1120.
N/A	891119	F	0	A	4		RC	ZZZZZZ	Delta Flux Out of Band.

¹
 F: Forced
 S: Scheduled

²
 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 (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

MAJOR SAFETY-RELATED CORRECTIVE MAINTENANCE

<u>MWD</u>	<u>SYSTEM</u>	<u>COMPONENT</u>	<u>DATE</u>	<u>WORK PERFORMED</u>
46409	MS	24SG	11/17/89	INSPECTED AND REPAIRED PENETRATIONS
46432	MS	22SG	11/14/89	INSPECTED AND REPAIRED HILLSIDE PORT

SUMMARY OF OPERATING EXPERIENCE

November 1989

The unit was at cold shutdown at the start of the month while inspection and repairs to #24 Steam Generator continued.

Repairs were completed and the unit was returned to service on 11/16 at 0624 hours. As power ascension to 30% was completed, the unit was held for stabilization of secondary water chemistry. At approximately 1200 on 11/17, chemistry was determined to be in specification.

Power ascension to 90% power was completed by 0130 on 11/18. On 11/18, a unit runback to 78% power occurred due to a control problem with FCV-1120. After corrective actions were taken, the unit was brought to 94% reactor power by 1443, at which point it was held to investigate a suspected leak on #22 Steam Generator.

On 11/19 at 1515, a problem was again experienced with FCV-1120, and load was reduced to 91%. This resulted in an out-of-band condition with the delta flux indication, causing power to be reduced to 47% at 2305.

After delta flux requirements were met, the unit was returned to 100% power operation by 2340 on 11/20, and maintained there for the remainder of the month.