Indian Point 3 Nuclear Power Plant P.O. Box 215 Buchanan, New York 10511 914 736.8001



Robert J. Barrett Site Executive Officer

January 14, 1998 IPN-98-004

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555

Subject:

Indian Point 3 Nuclear Power Plant

Docket No. 50-286 License No. DPR-64

Monthly Operating Report for December 1997

Dear Sir:

The attached monthly operating report, for the month of December 1997, is hereby submitted in accordance with Indian Point 3 Nuclear Power Plant Technical Specification 6.9.1.4.

The Authority is making no commitments in this letter.

Yery truly yours,

Robert J. Barrett

Site Executive Officer

Indian Point 3 Nuclear Power Plant

Attachment

cc: See next page

9801260417 971231 PDR ADOCK 05000286 R PDR

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CC:

Mr. Hubert J. Miller Regional Administrator Region I U.S. Nuclear Regulatory Commission 475 Allendale Road King of Prussia, Pennsylvania 19406-1415

Resident Inspector's Office Indian Point Unit 3 U.S. Nuclear Regulatory Commission P.O. Box 337 Buchanan, NY 10511

U.S. Nuclear Regulatory Commission ATTN: Director, Office of Information Resource Management Washington, D.C. 20555

INPO Records Center 700 Galleria Parkway Atlanta, Georgia 30339-5957

OPERATING DATA REPORT

DOCKET NO.
DATE
COMPLETED BY
TELEPHONE
IPN-98-004
ATTACHMENT I
PAGE 1 of 4

50-286
1-06-98
T. Orlando
(914) 736-8340

OPERATING STATUS

1.	Unit Name: Indian Point No. 3 Nuclear Po			
2. 3.	Reporting Period: Decemb Licensed Thermal Power (MWt):			
3. 4.	Nameplate Rating (Gross MWe):			
5.	Design Electrical Rating (Net MWe):	965		
6.	Maximum Dependable Capacity (Gross MWe):			
7. 0	Maximum Dependable Capacity (Net MWe):	965	Sana Lauk Dawa A	
8.	If Changes Occur in Capacity Ratings (Items Nu Give Reasons:	mber 3 through 7) S	ince Last Report	
9.	Power Level to Which Restricted, If Any (Net MV	Ve):		
0.	Reasons for Restrictions, If Any:			
		This Month	Yr-to-Date	Cumulative
11.	Hours In Reporting Period	744	8760	187,177
12.	Number Of Hours Reactor Was Critical	422.47	4313.52	104,646.26
13.	Reactor Reserve Shutdown Hours	0	0	0
14.	Hours Generator On-Line	421.87	4653.21	102,204.64
15.	Unit Reserve Shutdown Hours	0	0	0
16.	Gross Thermal Energy Generated (MWH)	1,266,274	13,445,523	290,377,707
17.	Gross Electrical Energy Generated (MWH)	426,550	4,489,690	91,500,065
18.	Net Electrical Energy Generated (MWH)	412,812	4,337,341	88,038,494
19.	Unit Service Factor	56.7	53.1	54.6
20.	Unit Availability Factor	56.7	53.1	54.6
21.	Unit Capacity factor (Using MDC Net)	57.5	51.3	49.8*
22.	Unit Capacity Factor (Using DER Net)	57.5	51.3	48.7
23.	Unit Forced Outage Rate	43.3	11.4	29.2
4.	Shutdowns Scheduled Over Next 6 Months (Ty	pe, Date and Durat	ion of Each):	
25.	If Shut Down At End Of Report Period. Estima	ted Date of Startup	: <u>January 2, 1998</u>	3
26.	Units In Test Status (Prior to Commercial Opera	· ·		
	INITIAL CRITICALITY	FC	precast	Achieved
	INITIAL ELECTRICITY			
	COMMERCIAL OPERATION * Weighted Average			

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50-286 IP-3 1-06-98 T. Orlando (914) 736-8340

MONTH <u>December 1997</u>

DAY	AVERAGE DAILY POWER	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	982	17	982
2	981	18	523
3	981	19	0
4	981	20	0
5	981	21	. 0
6	980	22	0
7	980	23	0
8	980	24	0
9	981	25	0
10	982	26	0
11	981	27	0
12	982	28	0
13	981	29	0
14	981	30	0
15	982	31	0
16	982		

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.

UNIT NAME DATE

1-6-98

50-286

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T. Orlando (914) 736-8340

INDIAN POINT NO. 3

IPN-98-004

ATTACHMENT I

REPORT MONTH December 1997

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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
8	971218	F	322.13	A	1	97-032-00	CF	CKTBRK A	Plant shutdown for an inoperable 480 volumes 6A due to a failure of the 32 Resid Heat Removal (RHR) pump circuit breaker to open following performance of surveillance test 3PT-M18, "RHR Pump Functional Test." 480 volt Bus 6A remained energized but was considered inoperable.

F: Forced S: Scheduled 2 Reason:

A- Equipment

B- Maintenance or Test

C- Refueling

D- Regulatory Restriction

4-Other (Explain) E- Operator Training & Licensee Examination

3

Method:

1-Manual

2-Manual Scram

3-Automatic Scram

F- Administrative

G- Operational Error

H- Other (Explain)

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

(NUREG - 0161)

Exhibit 1 -Same Source

DOCKET NO. 50-286 IPN-98-004 ATTACHMENT I PAGE 4 of 4

SUMMARY OF OPERATING EXPERIENCE

December 1997

The Indian Point Unit No. 3 Nuclear Power Plant was synchronized to the bus for a total of 421.87 hours producing a gross generation of 426,550 MWe.

On December 18, at approximately 1050 hours, the electrical circuit breaker for the 32 RHR pump failed to open following performance of surveillance test 3PT-M18, "RHR Functional Test." After several attempts to open the breaker, the electrical bus assigned to the breaker (480 volt Bus 6A) was declared inoperable and a unit shutdown commenced at approximately 1145 hours. The plant was shutdown because the Technical Specifications specify the requirement for four (4) 480 volt safety buses above cold shutdown which included bus 6A. With bus 6A declared inoperable the limiting condition for operation was not met and the Technical Specifications do not provide any action statement for that condition. The unit turbine was manually secured at 1352 hours, and the reactor was taken subcritical and hot shutdown achieved at 1428 hours. At approximately 1324 hours, the 32 RHR pump breaker opened without operator action.

During unit shutdown, with reactor power at approximately 71% power, control rod F02 dropped into the core, and a turbine runback occurred from approximately 70% to approximately 61% reactor power. The FSAR accident analysis section on dropped rod (section 14.1) states a turbine runback is prevented below 70% reactor power.

The unit was maintained in the hot shutdown condition while the investigation into the breaker failure progressed. The breaker is a 480 volt AC electrical circuit breaker, model DS-416 manufactured by Westinghouse. On December 22, the breaker for the 33 Pressurizer Backup Heater was determined to be potentially degraded when tested with its pole shaft reset spring removed. Engineering at that time could not provide a reasonable expectation of operability for DS-416 breakers used to power plant safety equipment. Without test results for the remaining breakers, Operations concluded there may be an unknown number of breakers that may be in a degraded condition and on December 23, at 0300 hours, declared the three Emergency Diesel Generators (EDGs) inoperable. Unit cooldown to cold shutdown commenced on December 23, at 0300 hours, and the plant entered cold shutdown on December 24, at 0240 hours. After further successful testing of 480 volt DS-416 breakers they were determined to be operable on December 26, at 1821 hours. Based on the operability determination for the breakers, the EDGs were declared operable on December 26, at 1925 hours. Plant personnel performed other maintenance and surveillance activities during the outage.

Following successful breaker extent of condition investigations, repairs, and testing the unit achieved hot shutdown on December 31, at 0457 hours, in preparation for plant re-start.

Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914 736.8001



Robert J. Barrett Site Executive Officer

January 14, 1998 IPN-98-004

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Yery truly yours,

Robert J. Barrett

Site Executive Officer

Indian Point 3 Nuclear Power Plant

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Docket No. 50-286 IPN-98-004 Page 2 of 2

cc: Mr. Hubert J. Miller
Regional Administrator
Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Resident Inspector's Office Indian Point Unit 3 U.S. Nuclear Regulatory Commission P.O. Box 337 Buchanan, NY 10511

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OPERATING DATA REPORT

DOCKET NO.
DATE
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PAGE 1 of 4

50-286 1-06-98 T. Orlando (914) 736-8340

OPERATING STATUS

1.	Unit Name: <u>Indian Point No. 3 Nu</u>	ıclear Power Plant	,	
2.		December 1997	<u> </u>	•
3.	Licensed Thermal Power (MWt):		-	
1.		1013	-	
5.	Design Electrical Rating (Net MWe):		_	
3. 7.	Maximum Dependable Capacity (Gross I Maximum Dependable Capacity (Net MV	,	-	
В.	If Changes Occur in Capacity Ratings (It Give Reasons:	•	Since Last Report	
9.	Power Level to Which Restricted, If Any	(Net MWe):	,	
0.	Reasons for Restrictions, If Any:			***
		This Month	Yr-to-Date	Cumulative
11.	Hours In Reporting Period	744	<u>8760</u>	187,177
12.	Number Of Hours Reactor Was Critical	422.47	4313.52	104,646.26
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23.	Unit Forced Outage Rate	43.3	11.4	29.2
4.	Shutdowns Scheduled Over Next 6 Mo	onths (Type, Date and Dura	ation of Each):	
24. 25.	Shutdowns Scheduled Over Next 6 Mo If Shut Down At End Of Report Period.			3
		,		
6.	Units In Test Status (Prior to Commerc			
	INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION		Forecast .	Achieved
	* Weighted Average			

DOCKET NO. UNIT

DATE

50-286 IP-3

COMPLETED BY
TELEPHONE

1-06-98 T. Orlando (914) 736-8340

IPN-98-004

ATTACHMENT I PAGE 2 of 4

MONTH December 1997

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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 SHUTDOV/NS AND POWER REDUCTIONS

DOCKET NO. **UNIT NAME**

50-286 INDIAN POINT NO. 3

DATE

1-6-98

COMPLETED BY

T. Orlando

TELEPHONE

(914) 736-8340

IPN-98-004 ATTACHMENT I

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REPORT MONTH December 1997

Method:

1-Manual

2-Manual Scram

4-Other (Explain)

3-Automatic Scram

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