UNIT NAME Indian Point Unit No. 2
DATE February 7, 1977
COMPLETED BY S. D. Julias Performance General Supervisor Tele. #914-694-6000
OPERATING STATUS Ext. 231 @ I.P.
1. REPORTING PERIOD: 770101 THROUGH 770131
GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL MWL 2758 MWe-NET 864*
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): NONE MWE-NET

4. REASONS FOR RESTRICTIONS (IF ANY):

		THIS MONTH	YR-TO-DATE	CUMULATIVE **
5.	HOURS REACTOR WAS CRITICAL	6 <u>82.68</u>	682.68	<u>14321.3</u> 2
6.	REACTOR RESERVE SHUTDOWN HOURS (5)	0 _	0	0
7.	HOURS GENERATOR ON-LINE	.675.52	675.52	<u>13767.8</u> 5
8.	UNIT RESERVE SHUTDOWN HOURS (6)	0		0
9.	GROSS THERMAL POWER GENERATED (MWH)	1805742	1805742	<u>3414003</u> 9
10.	GROSS ELECTRICAL POWER GENERATED (MWH)	. 5 <u>4957</u> 0	549570	<u>1062038</u> 6
11.	NET ELECTRICAL POWER GENERATED (MWH)	. 5 <u>26510</u>	526510	<u>1010706</u> 8
12.	REACTOR AVAILABILITY FACTOR (1)	. 91.8	_91.8	63.1
13.	PLANT AVAILABILITY FACTOR (2)	. 90.8	90.8	60.6
14.	PLANT CAPACITY FACTOR (3)	. 81.9	81.9	51.5
15.	FORCED OUTAGE RATE (4)	. 0.17	0.17	7.67

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND

DURATION OF FACH): Steam Generator Inspection Outage (5 weeks) in April, 1977

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17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

18. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

		DATE LAST FORFCAST	DATE ACHIEVED	REASON FOR DIFFERENCE	
	INITIAL CRITICALITY	$\geq$		· 	
	INITIAL ELECTRICAL POWER GENERATION		N/A		
	COMMERCIAL OPERATION		<u></u>		
(1)	REACTOR AVAILABILITY FACTOR = POURS REACT GROSS HOURS	TOR WAS CRITIC 5 IN REPORTING	AL FPERIOD	x 100	
(2)	PLANT AVAILABILITY FACTOR = HOURS GENERAL GROSS HOURS 1	TOR ON-LINF IN REPORTING H	YPERIOD X	100	
(3)	PLANT CAPACITY FACTOR = <u>NET FLECTRICAL PC</u> CURRENTLY LICENSI	OWER GENERATEI ED POWER LEVEL	X GROSS HOUR	S IN REPORTING PERIO	X 100
(4)	FORCED OUTAGE RATE = FORCED OUTAGE HOURS HOURS GENERATOR ON-	LINE + FORCED	OUTAGE HOURS	X 100	
(5)	REACTOR RESERVE SHUTDOWN HOURS = THE DURA FROM SEI BUT WAS	ATION IN HOURS RVICE FOR ADMI AVAILABLE FOR	S THAT THE REA INISTRATIVE OF R OPERATION.	CTOR WAS REMOVED COTHER REASONS	
(6)	UNIT RESERVE SHUTDOWN HOURS = THE DURATIO SERVICE FOI AVAILABLE F	ON IN HOURS TH R ECONOMIC OR FOR OPERATION	NAT THE UNIT V SIMILAR REASC	WAS REMOVED FROM	
* **	Maximum Dependable Capacit See March, 1975 Report	Y BIIII	20115 770 DOCK 0500	210 0247 PDR	

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Indian Point Unit No. 2

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LATE February 7, 1977

CONTLETED BY S. D. Julias Performance General Supervisor Tele. #914-694-6000 Ext. 231 @ I.P.

## DAILY PLANT POWER OUTPUT

	Tanuar	1077	•		÷.		•	
MONTH	Januar	<u>Y, 1977</u>		· '			•••	
DAY		AVERAGE DAILY	<u>Me</u> -net	<u>DAY</u>		O AVERACE	DAILY	<u>lWe</u> -net
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9		778						
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11		793		. * • .				
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18		779			•••			•
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DUCKER 20. 50-247

UNIT SHUTDOWNS AND POWER REDUCTIONS

No. 2 DATE February 7, 1977

COMPLETED BY S. D. Julias

RÉPORT MONTH January, 1977

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TÉLEPHONE <u>#914-694-6000</u> Ext. 231 @ I.P.

UNIT NAME Indian Point Unit

		a second s		and the second		
	• .	TYPE F: FORCED	DURATION		METHOD OF SHUTTING DOWN THE RFACTOR OR	
NO.	DATE	S: SCHEDULED	(FOURS)	REASON(1)	REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
ī <u>1</u> 39	1-27-77	*F	68.48	A: No. 22 Loop MSIV Closure	3	One of the two series solen valves in the air supply to the MSIV inadvertently closed re- sulting in closure of the MSIV. No cause for solenoid trip id- entified.
						* After trip, decision was made to keep Unit down for scheduled maintenance outage which had been scheduled for 1-28-77. Therefore, of total duration 1 Hr. 10 Min. is attributed to forced outage, 67 Hrs. 19 Min. is attributed to maintenance outage.
				1		
			•	•	-	
SUMMA On 1- duced due t	RY: 25-77, ele to appro: o environi	ectrical output ximately 760 MW mental regulato	re- Ve Dry	(1) REASON A: EQUI B: MAIN C: REFU D: REGU	IPMENT FAILURE(EXPLA) NT. OR TEST JELING JLATORY RESTRICTION	(2) METHOD 1: MANUAL 2: MANUAL SCRAM 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN)
restr tions	ictions () ).	high fish colle		E: OPEN LICI F: ADMI C: OPEN	RATOR TRAINING AND ENSE EXAMINATION INISTRATIVE RATIONAL ERROR (EXFL/	AIN)

UNIT NAME Indian Point Unit No. 3								
February 7, 1977								
COMPLETED BY S. D. Julias								
Performance General Supervisor Tele. #914-694-6000								
OPERATING STATUS Ext. 231 @ I.P.								
1. REPORTING PERIOD: 770101 THROUGH 770131								
GROSS HOURS IN REPORTING PERIOD: 744								
2. CURRENTLY AUTHORIZED POWER LEVEL NWE 2760* MWe-NET 873								
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): NONE MWE-NET								
A BEASONS FOR RESPECTIONS (IF ANY) -								

		THIS MONTH	YR-TO-DATE	CUMULATIVE **
5.	HOURS REACTOR WAS CRITICAL	474 . 9	474.9	2819.78
6.	REACTOR RESERVE SHUTDOWN HOURS (5)	0	0	0
7.	HOURS GENERATOR ON-LINE	457.88	457.88	2738.89
8.	UNIT RESERVE SHUTDOWN HOURS (6)	0	<u> </u>	00
9.	GROSS THERMAL POWER GENERATED (MWH)	. 11 <u>58756</u>	1158756	7031538
10.	GROSS ELECTRICAL POWER GENERATED (MWH)	. 381810	381810	2334820
11.	NET ELECTRICAL POWER GENERATED (MWH)	3 <u>63560</u>	363560	2236507
12.	REACTOR AVAILABILITY FACTOR (1)	<u>63.8</u>	63.8	75.8
13.	PLANT AVAILABILITY FACTOR (2)	61.5	61.5	73.6
14.	PLANT CAPACITY FACTOR (3)	. 56.0	56.0	68.8
15.	FORCED OUTAGE RATE (4)	38.5	38.5	11.3

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND

DURATION OF EACH):

NONE

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

18. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

-

		DATE LAST FORFCAST	DATE ACHIEVED	REASON FOR DIFFERENCE		
	INITIAL CRITICALITY		i			
	INITIAL ELECTRICAL POWER GENERATION		N/A			
	COMMERCIAL OPERATION					
(1)	REACTOR AVAILABILITY FACTOR = HOURS REAC GROSS HOUR	TOR WAS CRITI S IN REPORTIN	CAL IG PERIOD	x 100		
(2)	PLANT AVAILABILITY FACTOR = HOURS GENERA GROSS HOURS	TOR ON-LINF IN REPORTING	PERIOD X	100		
(3)	PLANT CAPACITY FACTOR = NET ELECTRICAL P CURRENTLY LICENS	OWER GENERATE	D L X GROSS HOUR	S IN REPORTING PR	X 100	)
(4)	FORCED OUTAGE RATE = FORCED OUTAGE HOURS HOURS GENERATOR ON-	LINE + FORCED	OUTAGE HOURS	X 100		
(5)	REACTOR RESERVE SHUTDOWN HOURS = THE DUR FROM SE BUT WAS	ATION IN HOUR RVICE FOR ADM AVAILABLE FO	S THAT THE READINISTRATIVE OF	ACTOR WAS REMOVED R OTHER REASONS		
(6)	UNIT RESERVE SHUTDOWN HOURS = THE DURATI SERVICE FO AVAILABLE	ON IN HOURS T R ECONOMIC OR FOR OPERATION	HAT THE UNIT W SIMILAR REAS	NAS REMOVED FROM	f 3025 N	መለተጥ
с с т **	uthorized for startup test	ing prog	ram.	LII EXCESS O		74.1
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	1			UNIT	Indian Point Unit No.
		•		DATE	February 7, 1977
· · · · · · · · · · · · · · · · · · ·	· ·	•	COMPLI	TED DY	S. D. Julias Performance General Supervisor
•	DATIV			ידענייני	Tele. #914-694-6000 Ext. 231 0 T.P.
	DALLY	Philip	FORER OF	<u>97201</u>	LAC. 251 ( I.F.

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January, 1977 MONTH.

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	DAY	AVERAGE DATLY	Mie-net	DAY	VA	ERAGE DAILY	<u>lWe</u> nat
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	2	883		26		78	
	3	933		27	· ·	820	
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	· 6	. 789	•	30	· · · ·	873	•
	7	779		31		848	•
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NIT SHUTDOWNS AND POWER REDUCTIONS

January, 1977

REPORT MONTH

DATE February 7, 1977

UNIT NAME Indian Point Unit

COMPLETED BY S. D. Julias

DOCKET, NO.

TELEPHONE #914-694-6000

Ext. 231 @ I.P.

f						
NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
47	1-4-77	F	4.30	A	3	Unit trip due to loss of flow spurious instrumentation trip.
48	1-10-77	F	3.48	A	3	Unit trip due to lo-level #34 S/G.
49	1-12-77	F ·	9.52	A	3	Unit trip due to spurious in- strumentation trip - steam line ΔP.
50	1-12-77	F	2.09	A	3	Unit trip due to #31 S/G Hi- Level.
51 1	1-15-77	F	266.23	А	1	Unit taken off due to R.C.S. leak at packing gland of spray control valve PCV-455B. Valve gland repacked.

SUMMARY:

Load swing tests from 100% of licensed power completed on 1-10-77.

- (1) REASON
  - A: EQUIPMENT FAILURE (EXPLAIN)

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- B: MAINT. OR TEST
- C: REFUELING
- D: REGULATORY RESTRICTION
- E: OPERATOR TRAINING AND
- LICENSE EXAMINATION

- F: ADMINISTRATIVE
- G: OPERATIONAL ERROR (EXPLAIN)

- (2) METHOD
  - 1: MANUAL
  - 2: MANUAL SCRAM
  - 3: AUTOMATIC SCRAM
  - 4: OTHER (EXPLAIN)