UNIT NAME Indi[redacted] Point Unit No. 2

DATE August 5, 1976

COMPLETED BY S. D. Julias

Performance General Supervisor Tele.#914-696-6000 Ext. 231 @ I.P.

OPERATING STATUS

1. REPORTING PERIOD: 760701 THROUGH 760731

GROSS HOURS IN REPORTING PERIOD: 744

2. CURRENTLY AUTHORIZED POWER LEVEL MWt 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 ** TO DATE
5. HOURS REACTOR WAS CRITICAL	0	1935.62	12326.97
6. REACTOR RESERVE SHUTDOWN HOURS (5)	0	0	0
7. HOURS GENERATOR ON-LINE	0	1887.33	11923.21
8. UNIT RESERVE SHUTDOWN HOURS (6)	0	0	0
9. GROSS THERMAL POWER GENERATED (MWH)	0	4925610	29657356
10. GROSS ELECTRICAL POWER GENERATED (MWH)	0	1578840	9250430
11. NET ELECTRICAL POWER GENERATED (MWH)	-1843	1505301	8818205
12. REACTOR AVAILABILITY FACTOR (1)	0	37.9	67.4
13. PLANT AVAILABILITY FACTOR (2)	0	36.9	65.2
14. PLANT CAPACITY FACTOR (3)	0	34.1	55.8
15. FORCED OUTAGE RATE (4)	0	6.11	8.24

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH): Scheduled 3 day shutdown in December, 1976 for inspection of Bergen-Paterson seismic restraints.

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 8/15/76

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

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY			
INITIAL ELECTRICAL POWER GENERATION		NA	
COMMERCIAL OPERATION			

(1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(2) PLANT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(3) PLANT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(4) FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE + FORCED OUTAGE HOURS}} \times 100$

(5) REACTOR RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE REACTOR WAS REMOVED FROM SERVICE FOR ADMINISTRATIVE OR OTHER REASONS BUT WAS AVAILABLE FOR OPERATION.

(6) UNIT RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE UNIT WAS REMOVED FROM SERVICE FOR ECONOMIC OR SIMILAR REASONS, BUT WAS AVAILABLE FOR OPERATION.

* Maximum Dependable Capacity

** See March, 1975 Report

SUMMARY: Unit shutdown on March 30, 1976 for scheduled Maintenance and refueling outage.

UNIT NAME Indian Point Unit No. 2
DATE August 5, 1976
COMPLETED BY S. D. Julias
Performance General Supervisor
Tele. #914-694-6000 Ext. 231 @ I.P.

REPORT MONTH July, 1976

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
125	3/30/76	S	*	C	A	Unit shutdown for refueling.

(1) REASON:
A-EQUIPMENT FAILURE (EXPLAIN)
B-MAINT. OR TEST
C-REFUELING
D-REGULATORY RESTRICTION
E-OPERATOR TRAINING AND LICENSE EXAMINATION
F-ADMINISTRATIVE
G-OPERATIONAL ERROR (EXPLAIN)

(2) METHOD:
A- MANUAL
B- MANUAL SCRAM
C- AUTOMATIC SCRAM

* Outage Continuing.

ENCLOSURE A

UNIT Indian Point Unit No. 2

DATE August 5, 1976

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

DAILY PLANT POWER OUTPUT

MONTH July, 1976

DAY	AVERAGE DAILY MWe-net	DAY	AVERAGE DAILY MWe-net
1	0	25	0
2	0	26	0
3	0	27	0
4	0	28	0
5	0	29	0
6	0	30	0
7	0	31	0
8	0		
9	0		
10	0		
11	0		
12	0		
13	0		
14	0		
15	0		
16	0		
17	0		
18	0		
19	0		
20	0		
21	0		
22	0		
23	0		
24	0		

UNIT NAME Indian Point Unit No. 3

DATE August 5, 1976

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

OPERATING STATUS

1. REPORTING PERIOD: 760701 THROUGH 760731
GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL MWt 2760* MWe-NET 873
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): _____ MWe-NET
4. REASONS FOR RESTRICTIONS (IF ANY):

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	598.0	2163.25	2163.25
6. REACTOR RESERVE SHUTDOWN HOURS (5)	0	0	0
7. HOURS GENERATOR ON-LINE	543.75	1581.0	1581.0
8. UNIT RESERVE SHUTDOWN HOURS (6)	0	0	0
9. GROSS THERMAL POWER GENERATED (MWH)	**	**	**
10. GROSS ELECTRICAL POWER GENERATED (MWH)	352600	877700	877700
11. NET ELECTRICAL POWER GENERATED (MWH)	331745	799133	799133
12. REACTOR AVAILABILITY FACTOR (1)			
13. PLANT AVAILABILITY FACTOR (2)			
14. PLANT CAPACITY FACTOR (3)		***	
15. FORCED OUTAGE RATE (4)			

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH): Scheduled 4 day shutdown in late August for miscellaneous maintenance work and inspection of Bergen-Paterson pipe restraints.

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 FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	-	4/6/76	-
INITIAL ELECTRICAL POWER GENERATION	-	4/25/76	-
COMMERCIAL OPERATION	-	-	-

(1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(2) PLANT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(3) PLANT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(4) FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

(5) REACTOR RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE REACTOR WAS REMOVED FROM SERVICE FOR ADMINISTRATIVE OR OTHER REASONS BUT WAS AVAILABLE FOR OPERATION.

(6) UNIT RESERVE SHUTDOWN HOURS = THE DURATION IN HOURS THAT THE UNIT WAS REMOVED FROM SERVICE FOR ECONOMIC OR SIMILAR REASONS, BUT WAS AVAILABLE FOR OPERATION.

* Operation at reactor core power levels not in excess of 3025 megawatts thermal authorized for startup testing program.

** To be reported at a later date.

*** These statistics to be reported at start of commercial operation.

SUMMARY:

Start-up Testing in Progress

UNIT NAME Indian Point Unit No. 3
DATE August 5, 1976
COMPLETED BY S. D. Julias
Performance General Supervisor
Tele. #914-694-6000 Ext. 231 @ I.P

REPORT MONTH July, 1976

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
15	6/30/76	S	106*	B	A	
16	7/6/76	F	3.0	A	C	Unit trip due to Hi-Level #33 S/G
17	7/6/76	F	4.25	A	C	Turbine trip due to Hi-Level #34 S/G Reactor trip due to Low-Level #31 S/G
18	7/7/76	F	2.5	A	C	Unit trip due to Low-Level #32 S/G
19	7/7/76	F	10.25	A	C	Unit trip due to instantaneous electrical trip.
20	7/8/76	F	3.25	A	C	Unit trip due to Hi-Level #34 S/G
21	7/12/76	F	3.0	A	C	Unit trip due to loss of excitation.
22	7/14/76	F	6.25	A	C	Unit trip due to faulty fuse
23	7/14/76	F	5.0	A	C	Unit trip due to loss of auto stop oil.
24	7/15/76	F	2.5	A	C	Unit trip due to loss of auto stop oil.
25	7/17/76	F	4.5	A	C	Unit trip due to Hi-Level #31 S/G
26	7/19/76	F	1.75	A	C	Unit trip due to Hi-Level #34 S/G
27	7/24/76	S	45.0	B	C	
28	7/26/76	F	3.0	A	C	Unit trip due to loss of excitation

(1) REASON:
A-EQUIPMENT FAILURE (EXPLAIN)
B-MAINT. OR TEST
C-REFUELING
D-REGULATORY RESTRICTION
E-OPERATOR TRAINING AND LICENSE EXAMINATION
F-ADMINISTRATIVE
G-OPERATIONAL ERROR (EXPLAIN)

(2) METHOD:
A- MANUAL
B- MANUAL SCRAM
C- AUTOMATIC SCRAM

* July only

ENCL[illegible]RE A

UNIT Indian Point Unit No. 3

DATE August 5, 1976

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

DAILY PLANT POWER OUTPUT

MONTH July, 1976

DAY	AVERAGE DAILY MWe-net	DAY	AVERAGE DAILY MWe-net
1	0	25	0
2	0	26	376
3	0	27	758
4	0	28	746
5	244	29	621
6	563	30	598
7	194	31	587
8	341		
9	709		
10	686		
11	691		
12	538		
13	638		
14	459		
15	413		
16	549		
17	531		
18	596		
19	498		
20	498		
21	651		
22	745		
23	632		
24	42		