OPERATING DATA REPORT

DOCKET NO. 50-315 DATE 12-3-81 COMPLETED BY A. Might TELEPHONE 616-465-5901

:	1089 1054 1080 1044					
Period: Desmal Power (MWt): Raring (Gross MWe): carical Rasing (Net MWe): Dependable Cayacity (Gross MW Dependable Cayacity (Net MWe)	3250 1089 1054 1080 1044					
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Dependable Capacity (Net MWe)	: 1044					
Occur in Capacity Ratings (Item	s Number 3 Through 7) Since Last Report. Give R.				
			ace Last Report. Give Reasons:			
			•			
el To Which Restricted, If Any Cor Restrictions, If Any:						
	This Month	Yrto-Date	. Cumulative			
	720	8,016	60.624			
	414	6,057.	2 45,578			
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	Reporting Period I House Reactor Was Critical esserve Shutdown House tentor On-Line twe Shutdown House tentor On-Line twe Shutdown House tentor On-Line twe Shutdown House tentor Charles (MWH) trical Energy Generated (MWH)	This Month Reporting Period 720 7414 7414 7414 751 761 7720 772	This Month Yrto-Date			

AVERAGE DAILY UNIT POWER LEVEL

UNIT Unit #1

DATE 12-3-81

COMPLETED BY A. Might

TELEPHONE 616-465-5901

DAY AV	ERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1049	17	563
2 _	1045	18	163
3	503	19	898
4		20	1045
5		21	1036
6		22	1046
7 _		23	1048
8		24	1047
9		25	1049
10		25	1054
11		27	1039
12		28	1037
13		29	1050
14		30	1050
15	332	31	
16	1040		

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 12-11-81

COMPLETED BY TELEPHONE 616/465-5901

PAGE 1 of 2

REPORT MONTH November, 1981

No.	Date	Type1	Duration (Hours)	Reason?	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
175	811103	F	286.1	A&B	3	N.A.	ZZ	ZZZZZZ	Reactor/Turbine trip. The West main feedpump turbine tripped on low lube-oil pressure when attempting to switch lube oil filter. The reactor trip/turbine trip was caused by Low Steam Generator level coincidental with Steam Flow - Feedwater Flow mismatch on No. 4 and No. 1 Steam Generators due to the West feed pump trip. Inspection of the lube-oil filter revealed that the transfer valve had failed due to a broken key which permitted both oil outlet ports to be shut off. The outage was extended to permit repairs of a body to bonnet leak on pressurizer spray valve NRV-1 and to work on NUREG-0737 required design changes. The unit was returne to service on 811115 with 100% reacto power reached on 811116.

F: Forced S: Scheduled Reason

A-Equipment Fanure (Explain)

B-Maintenance of Test

C-Refueling

D-Regulatory Restriction

E-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain)

H-Other (Explain)

Method:

1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Other (Explain)

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

5

Exhibit 1 - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.

UNIT NAME
DATE
DATE
12-11-81

B. A. Svensson

REPORT MONTH November, 1981

TELEPHONE 616/465-5901 PAGE 2 of 2

No.	Date	Type1	Duration (Hours)	Reason 2	Method of Shutting Down Reactor ³	Licensee Event Report #	Systen) Code4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
176	811117	F	24.1	A	3	81-054/03L-0	IA	INSTRU	Reactor/Turbine trip. Reactor trip was due to instrument fariures. RCS Loop 4 Overpower and Overtemp Delta- Tee pegged low simultaneously with erratic readings on Loop 3 Overtemp. Delta-Tee. The unit was returned to service 811118 and reached 100% power 811119.

F: Forced S: Scheduled

Reason:

A-Equipment Failure (Explain)

B-Maintenance of Test

C-Refueling

D-Regulatory Restriction

E-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain)

11-Other (Explain)

Method:

1-Manual

2-Manual Scrain.

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 1 - Same Source

(9/77)

Docket No.: 50-315

Unit Name: D. C. Cook Unit #1 Completed By: D. R. Campbell . Telephone: (616) 465-5901 Date: December 14, 1981

Page: 1 of 2

MONTHLY OPERATING ACTIVITIES - NOVEMBER, 1981

Highlights:

The Unit entered this reporting period operating at 100% Reactor power.

On November 3, the Unit tripped, and was out of service for twelve days. After repairs and some RFC work, the Unit was restarted and reached 100% power, November 16, 1981.

On November 17, the Reactor tripped. The Unit was out of service for 24 hours.

The Unit has operated for the remainder of the reporting period at 100% power, except for a five hour period when the power was reduced to 90% to check the Main Turbine valves.

Total electrical generation for this month was 425,290 mwh.

Summary:

- 10-01-81 The NRC was notified that we were experiencing high readings on R-22, (Off gas from Dirty and Clean Waste Water Holdup Tanks) and R-26 (Plant Vent) indicating an unplanned gaseous release. The readings returned to normal after closing CS-374 (VCT Sample Isolation Valve). The leak was later found to be NS-186 (Sample Line Drain). The NRC was notified the same day, November 1, 1981, that the leak had been found and isolated.
- 10-03-81 The West Main Feed Pump Turbine tripped while we were switching the lube oil filter. This resulted in a Unit trip from low steam generator level coincidental with low feedwater flow.

The Unit was brought to Mode 3 with no problems.

Later investigation showed, that the feedpump turbine oil filter switching mechanism had failed due to a key on the shaft being sheared.

10-04-81 - During the inspection tour of the Containment following the shutdown, the pressurizer power operated relief valve, NRV-163, was found to have a body to bonnet leak. The Unit was brought to cold shutdown, Mode 5, in order to make repairs to NRV-163.

> With the Unit in cold shutdown it was decided to complete RFC work, which was originally scheduled for a December, 1981 outage.

Docket No.: 50-315

Unit Name: D. C. Cook Unit #1 Completed By: D. R. Campbell

Telephone: (616) 465-5901
Date: December 14, 1981

Page: 2 of 2

Summary (cont.):

- 10-12-81 The Unit was heated up to full pressure and temperature. Inspection was made inside the Containment, and leaks were discovered on NMO-151 and NMO-152, pressurizer PORV Isolation Valves. NMO-151 had a body to bonnet leak and NMO-152 a packing leak.
- 10-15-81 With the completion of repairs on NMO-151 and NMO-152, the Reactor was taken critical at 0721 hours.
- 10-16-81 Unit at 100% Reactor power at 0140 hours.
- 10-17-81 At 1300 hours, the Reactor tripped from over-temperature ΔT . Loop 3 started receiving spurious ΔT alarms and trip inputs. During investigation of this problem the set point generator for Loop 4, over power and over temperature ΔT failed low. A simultaneous spike from Loop 3 over temperature ΔT gave the second ΔT trip input which initiated the Reactor trip.
- 10-18-81 Repairs were completed and the Reactor was taken critical at 1106 hours, and the Unit paralleled to the system at 1304 hours.
- 10-19-81 The Reactor reached 100% power at 1235 hours.

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50-315 D. C. Cook - Unit No. 1 12-14-81 B. A. Svensson (616) 465-5901 1 of 2

MAJOR SAFETY-RELATED MAINTENANCE

NOVEMBER, 1981

	NOVEMBER, 1981
<u>M-1</u>	The resistance orifice flange in RCS loop 3 RTP loop was leaking. The flex gasket was replaced.
<u>M-2</u>	RCS loop 4 RTD loop valve, RC-108L4, had a packing leak. Repacked valve using a bonnet chamber repack cartridge.
<u>M-3</u>	The RHR check valve in the loop 3 cooldown line, RH-134 had a body-to-bonnet leak. Replaced the flex gasket, bolts and nuts.
<u>M-4</u>	Pressurizer Power Operated Relief valve, NRV-153 was leaking by. Replaced seat ring, plug, stem and stem pin. Reassembled and repacked valve. The valve was stroked and tested.
<u>M-5</u>	Pressurizer backup heater current was low. Investigation revealed loose connections. Replaced 3 molded case circuit breakers and one cable in circuit breaker cubicle.
<u>M-6</u>	The Safety Injection Pump discharge crosstie valve, IMO-270, would not open from the Control Room. Replaced the motor for the operator and the valve tested satisfactorily.
<u>M-7</u>	Pressurizer Power Operated Relief Valve block valve, NMO-153, control cable was damaged. Replaced cable and tested valve.
<u>M-8</u>	The Boric Acid Filter outlet valve, CS-421N, was leaking. Replaced valve diaphragm.
<u>M-9</u>	Pressurizer Spray Control Valve, NkV-163, had a body-to-bonnet leak. Replaced valve gaskets and one bonnet stud that was steam cut. The valve was stroked and tested.
<u>M-10</u>	Pressurizer power operated relief valve, NMO-153, was leaking. Replaced the valve disc and gasket. Had valve tested.
M-11	Charging header isolation valve, QMO-200, had a grounded motor. Replaced motor and rebuilt Limitorque actuator. Had the valve tested.
<u>M-12</u>	No. 1 S/G blowdown regulating valve, DRV-311, had a broken valve stem. Replaced the valve stem, pin and plug. Reassembled with new gaskets and repacked the valve. Had the valve tested.

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MAJOR SAFETY-RELATED MAINTENANCE

NOVEMBER, 1981

- M-13
 Loop 1 cold leg safety injection check valve, SI-142L, was leaking by. Replaced the check valve and had applicable NDE performed. Performed system leak test.
- M-14

 Pressurizer power operated relief valve block valve, NMO-151, had a body-to-bonnet leak. Sealed leak under pressure by Furmanite injection.
- M-15
 No. 1 S/G blowdown isolation valve, DCR-130, would not open.
 Replaced diaphragm and cover gasket in the valve actuator. The valve was stroked and tested.
- M-16
 Safety Injection check valves, SI-158L1, 2, 3 and 4, had body-to-bonnet leaks. Bonnet gaskets were replaced on all 4 valves and one bonnet stud was replaced on SI-158L4.
- M-17
 Alternate charging line check valves, CS-328L1 and CLS-329L1, had body-to-bonnet leaks. Replaced bonnet gaskets and studs on both valves.
- Reactor Coolant Loop No. 4 hot leg wide range temperature indication, NTR-140, displayed a temperature 8°F below the other three loops. The calibration of the resistance to current module was tested, and found to be out of specification. The module was recalibrated and returned to normal service.
- C&I-2

 R-22 Radiation Monitoring System waste off-gas monitor, failed.

 The low voltage power supply was replaced with a spare and the power supply voltages were adjusted to the correct values.
- NLI-151 Pressurizer Level cold calibration, indicated 54% level when the reactor coolant system was at half loop. A loose wire was found on the terminal board in the transmitter. The transmitter was recalibrated and the reference leg was filled. The control room indication returned to zero.
- QRV-112 Reactor Coolant letdown to the regenerative heat exchanger, had failed open and air was found discharging from the control solenoid. The failed solenoid was removed and a spare solenoid was installed.

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MAJOR SAFETY-RELATED MAINTENANCE

NOVEMBER, 1981

- C&I-5

 MRV-233 Steam Generator No. 3 power operated relief valve, would not open. The booster was found leaking air. The valve's booster and positioner were replaced with spares. The valve was stroked and returned to service.
- C&I-6

 NLP-151 Pressurizer Level Protection Channel 1 indicated a deviation from protection Channel II and III. The reference leg in all three channels were filled. The three channels displayed the correct level following the refilling.
- Feedwater to steam generators 1 and 4 motor operated isolation valves, FMO-201 and FMO-204 could not be opened. An auxiliary relay K636 was found not operating properly. The spare relay was installed and the system was returned to normal.