

**ILLINOIS  
POWER**

U-601920  
L30-92(01-10)-1P  
8E,100c

January 10, 1992

10CFR50.36

Docket No. 50-461

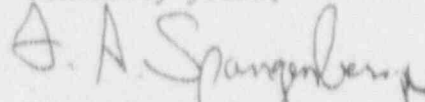
U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Subject: Clinton Power Station, Unit 1  
December, 1991 Monthly Operating Report NPF-62

Dear Sir:

Please find in Attachment 1 the Monthly Operating Report for  
Clinton Power Station, Unit 1, for the period ending December 31, 1991.

Sincerely yours,



F. A. Spangenberg, III  
Manager - Licensing and Safety

DAS/alh

Attachment

cc: NRC Region III Regional Administrator  
NRC Resident Office  
Illinois Department of Nuclear Safety

IE2A  
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CHALLENGES TO MAIN STEAM SAFETY/RELIEF VALVES

Month December 1991

None

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-461

UNIT Clinton 1

DATE 12/31/91

COMPLETED BY F. A. Spangenberg, III

TELEPHONE (217) 935-8881 X3400

MONTH December 1991

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>917</u>
2	<u>929</u>
3	<u>929</u>
4	<u>928</u>
5	<u>929</u>
6	<u>929</u>
7	<u>930</u>
8	<u>896</u>
9	<u>929</u>
10	<u>931</u>
11	<u>929</u>
12	<u>930</u>
13	<u>932</u>
14	<u>929</u>
15	<u>922</u>
16	<u>928</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>926</u>
18	<u>880</u>
19	<u>878</u>
20	<u>880</u>
21	<u>882</u>
22	<u>112</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>3</u>
27	<u>399</u>
28	<u>730</u>
29	<u>921</u>
30	<u>922</u>
31	<u>920</u>

OPERATING DATA REPORT

DOCKET NO. 50-461  
UNIT Clinton 1  
DATE 12/31/91  
COMPLETED BY F. A. Spangenberg, III  
TELEPHONE (217) 935-8881 X3400

OPERATING STATUS

1. REPORTING PERIOD: December 1991 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2894  
MAX. DEPEND. CAPACITY (MDC) (MWe-Net): 930  
DESIGN ELECTRICAL RATING (MWe-Net): 933
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None
4. REASONS FOR RESTRICTION (IF ANY): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL...	<u>642.1</u>	<u>7,079.5</u>	<u>24,448.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. HOURS GENERATOR ON LINE.....	<u>632.6</u>	<u>6,928.9</u>	<u>23,629.1</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)...	<u>1,743,627</u>	<u>19,161,824</u>	<u>60,758,733</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>582,826</u>	<u>6,331,006</u>	<u>20,077,090</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)...	<u>556,859</u>	<u>6,048,006</u>	<u>19,051,377</u>
12. REACTOR SERVICE FACTOR.....	<u>86.3%</u>	<u>80.8%</u>	<u>68.0%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>86.3%</u>	<u>80.8%</u>	<u>68.0%</u>
14. UNIT SERVICE FACTOR.....	<u>85.0%</u>	<u>79.1%</u>	<u>65.7%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>85.0%</u>	<u>79.1%</u>	<u>65.7%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>80.5%</u>	<u>74.2%</u>	<u>57.0%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>80.2%</u>	<u>74.0%</u>	<u>56.8%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>15.0%</u>	<u>5.6%</u>	<u>14.0%</u>

19. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, DURATION OF EACH):

The third refueling outage is currently scheduled to begin March 1, 1992 and last approximately 70 days.

20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-461  
UNIT Clinton 1  
DATE 12/31/91  
COMPLETED BY F. A. Spangenberg, III  
TELEPHONE (217) 935-3881 X3400

REPORT MONTH December 1991

NO.	DATE	TYPE		DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2) /CORRECTIVE ACTIONS /COMMENTS	
		F: FORCED	S: SCHEDULED				
91-06	911222	F		111.4	A: During a scheduled reduction in power level, the "B" Reactor Recirculation Flow Control Valve (FCV) position feedback logic loop failed, resulting in erratic FCV movement and a decrease in reactor core flow. The decrease in core flow placed the reactor in the restricted zone of the power-flow operating map. As a result, a manual reactor scram was inserted as required by plant procedures.	2: Upon entering the restricted control logic zone of the power-flow operating map, Recirculation FCVs. a manual scram was inserted as required by plant procedures.	Repaired/replaced components for the "A" and "B" Reactor Recirculation FCVs. Following verification that the logic failure was corrected, the plant was returned to power operation. (See LER 91-008).

(1) 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)

(2) Method

1-Manual, 2-Manual Scram, 3-Automatic Scram, 4-Other (explain)