



Illinois Power Company
Clinton Power Station
P.O. Box 678
Clinton, IL 61727
Tel 217 935-8881

U-602586
L30-96(05-08)-LP
8E.100c

May 8, 1996

10CFR50.36

Docket No. 50-461

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

Subject: Clinton Power Station, Unit 1
Facility Operating License NPF-62
April 1996 Monthly Operating Report

Dear Sir:

Please find in Attachment 1 the Monthly Operating Report for Clinton Power Station, Unit 1, for the period ending April 30, 1996.

Sincerely yours,

W.S. Stoff
Michael W. Stoff
Director - Licensing

WED/krk

Attachments

cc: NRC Region III Regional Administrator
NRC Resident Office, V-690
Illinois Department of Nuclear Safety

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9605140301 960430
FDR ADOCK 05000461
R PDR

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CHALLENGES TO MAIN STEAM SAFETY/RELIEF VALVES

Month April 1996

Please see the attached copy of
Clinton Power Station Actuation Log for this data

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-461
UNIT Clinton 1
DATE 04/30/96
COMPLETED BY W. E. DeMark
TELEPHONE (217) 935-8881 X3537

MONTH April 1996

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>934</u>
2	<u>935</u>
3	<u>936</u>
4	<u>935</u>
5	<u>936</u>
6	<u>936</u>
7	<u>896</u>
8	<u>935</u>
9	<u>525</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>291</u>
15	<u>732</u>
16	<u>915</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>936</u>
18	<u>936</u>
19	<u>935</u>
20	<u>936</u>
21	<u>933</u>
22	<u>933</u>
23	<u>934</u>
24	<u>935</u>
25	<u>935</u>
26	<u>935</u>
27	<u>936</u>
28	<u>934</u>
29	<u>935</u>
30	<u>935</u>
31	<u>N/A</u>

OPERATING DATA REPORT

DOCKET NO. 50-461
UNIT Clinton 1
DATE 04/30/96
COMPLETED BY W. E. DeMark
TELEPHONE (217) 935-8881 X3537

OPERATING STATUS

1. REPORTING PERIOD: April 1996 GROSS HOURS IN REPORTING PERIOD: 719
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>619.25</u>	<u>2,803.3</u>	<u>57,624.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. HOURS GENERATOR ON LINE.....	<u>610.6</u>	<u>2,794.6</u>	<u>54,362.7</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>4.0</u>
9. GROSS THERMAL ENERGY GENERATED (MHZ)...	<u>1,712,702</u>	<u>8,019,168</u>	<u>146,029,419</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MHZ)	<u>574,052</u>	<u>2,675,226</u>	<u>48,236,379</u>
11. NET ELECTRICAL ENERGY GENERATED (MHZ)...	<u>546,538</u>	<u>2,563,827</u>	<u>45,949,188</u>
12. REACTOR SERVICE FACTOR.....	<u>86.1%</u>	<u>96.7%</u>	<u>78.0%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>86.1%</u>	<u>96.7%</u>	<u>78.0%</u>
14. UNIT SERVICE FACTOR.....	<u>84.9%</u>	<u>96.3%</u>	<u>73.5%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>84.9%</u>	<u>96.3%</u>	<u>73.5%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>81.7%</u>	<u>95.0%</u>	<u>66.8%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>81.5%</u>	<u>94.7%</u>	<u>66.6%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>15.1%</u>	<u>3.7%</u>	<u>8.2%</u>

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

Refueling Outage 6 (RF-6), October 1996, expected duration 42 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 04/30/96
COMPLETED BY W. E. DeMark
TELEPHONE (217) 935-8881 X3537

REPORT MONTH April 1996

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
FO 96-01	04/09/96	F	108.4	G	3	Automatic reactor scram caused by a Group 1 containment isolation upon loss of the Reserve Auxiliary Transformer (RAT) and a slow (by design) shift to the Emergency Reserve Auxiliary Transformer (ERAT). The RAT was deenergized due to actuation of a protective relay during preventive maintenance on switchyard breaker 4522.

- (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)

CLINTON POWER STATION

DOCUMENT TITLE: ACTUATION LOG

SCOPE OF REVISION: Updated format.

OFFICIAL WORKING COPY

Signature

Jeff Hadden

Date

4-21-94

LINEUP PERFORMANCE REQUIRED ON ISSUANCE: ☐ Yes ☒ No

ORIGINATED BY: Brant Chambers

FOR INFORMATION ONLY

WORD PROCESSING BY: Kaye L. Hennenfent

APPROVAL DATE: JUN 01, 1994

CHANGE NO. _____	AFFECTED PAGES _____
CHANGE NO. _____	AFFECTED PAGES _____
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Plant Docket No. 50-461
ACTUATION LOG

NOTE

Includes all IN-SERVICE tests.

302.	Equipment Identification Number (EIN)	NOTE 1				
303.	Date of Actuation (MM/DD/YY)	NOTE 1				
304.	Time of Day (24 Hour Clock)	NOTE 1				
305.	Type of Actuation (Code - Appendix A)	NOTE 1				
306.	Cause/Reason for Actuation (Code - Appendix A)	NOTE 1				
307.	Rx Operating Condition Prior to Lift (Code - Appendix A)	NOTE 1				
308.	Rx Power Level Prior to Lift (% Rated Thermal)	NOTE 1				
309.	Time for Tailpipe Temperature to Return to Normal	NOTE 1				
310.	Other Instrumentation - Number Reading and Units	N/A				
311.	Rx Pressure Prior to Actuation	NOTE 1				
IF AVAILABLE/IF APPLICABLE (See Step 8.1.2 and accompanying NOTE.)						
312.	Reseat Pressure at Valve Closure (PSIG)	NOTE 1				
313.	Duration of this Actuation (Minutes: Seconds)	NOTE 1				
314.	Failure, Reports (Code - Appendix A)	NONE				
315.	LER Number (5 Digit Number)	NONE				
316.	Comment Sheet Regarding This Actuation Attached? (Yes or No)	NOTE 1				

Completed By

J. H. Haden
Signature

4-21-96
Date

REVIEW AND APPROVAL

Shift/Assistant Shift Supervisor

P. Ryan
Signature

4/24/96
Date

Asst. Dir. - Plant Operations

Myra J. [Signature]
Signature

4/25/96
Date

Note 1: Due to the large number of SRV
actuators the information and ~~comments~~
are contained on the attached sheets

Block 302	Block 303	Block 304	Block 305	Block 306	Block 307	Block 308	Block 309	Block 311	Block 312	Block 313
SRV EIN --- --- (1B21- FOXXX)	Date	Time of lift	see attached App. A --- --- Type of Actuation	see attached App. A --- --- Actuation Reason	see App. A --- --- Rx Op Condition prior to lift	Rx Pwr prior to lift	Time for tailpip temp < 200 F (hr:min)	Rx Press before lift (psig)	Reseat Press (psig)	Duration of lift (secs)
51C	4/9/96	13:31:47	A	A	G	0%	05:28	1098	925	28
51D	4/9/96	13:31:47	A	A	G	0%	note 6	1098	925	32
51D	4/9/96	13:33:53	A	A	G	0%	note 6	1035	928	42
51D	4/9/96	13:35:16	B	E	G	0%	note 6	1000	870	94
41G	4/9/96	13:43:19	B	E	G	0%	07:38	995	830	145
51G	4/9/96	13:54:39	B	E	G	0%	note 6	905	620	333
47C	4/9/96	14:23:33	B	E	G	0%	note 6	920	640	243
41C	4/9/96	14:41:03	B	E	G	0%	note 6	795	620	165
51D	4/9/96	15:04:38	B	E	G	0%	note 6	940	660	195
47D	4/9/96	15:28	B	E	G	0%	07:02	950	600	293
51B	4/9/96	16:10	B	E	G	0%	note 6	960	695	165
47F	4/9/96	16:27	B	E	G	0%	06:00	995	560	330
41D	4/9/96	16:53	B	E	G	0%	note 6	700	520	(4) 240
41C	4/9/96	17:10	B	E	G	0%	note 6	725	510	(4) 360
41F	4/9/96	17:28	B	E	G	0%	04:10	720	510	note 5
47C	4/9/96	17:42	B	E	G	0%	note 6	700	510	note 5
51G	4/9/96	18:10	B	E	G	0%	note 6	580	500	note 5
41D	4/9/96	18:44	B	E	G	0%	note 6	700	490	note 5
41D	4/9/96	19:00	B	E	G	0%	note 6	700	490	note 5
41B	4/9/96	19:43	B	E	G	0%	04:17	700	625	note 5
51G	4/9/96	19:52	B	E	G	0%	note 6	720	640	note 5
41D	4/9/96	19:54	B	E	G	0%	note 6	720	650	note 5
47C	4/9/96	20:03	B	E	G	0%	note 6	720	620	note 5

Block 302	Block 303	Block 304	Block 305	Block 306	Block 307	Block 308	Block 309	Block 311	Block 312	Block 313
SRV EIN --- --- (1B21- FOXXX)	Date	Time of lift	see attached App. A --- --- Type of Actuation	see attached App. A --- --- Actuation Reason	see App. A --- --- Rx Op Condition prior to lift	Rx Pwr prior to lift	Time for tailpip temp < 200 F (hr:min)	Rx Press before lift (psig)	Reseat Press (psig)	Duration of lift (secs)
47A	4/9/96	20:07	B	E	G	0%	note 6	720	640	note 5
47B	4/9/96	20:24	B	E	G	0%	note 6	720	620	note 5
51D	4/9/96	20:33	B	E	G	0%	note 6	720	610	note 5
51B	4/9/96	20:52	B	E	G	0%	note 6	720	610	note 5
47C	4/9/96	21:06	B	E	G	0%	note 6	720	610	note 5
51C	4/9/96	21:24	B	E	G	0%	note 6	720	600	note 5
47A	4/9/96	21:37	B	E	G	0%	note 6	720	580	note 5
47B	4/9/96	21:48	B	E	G	0%	note 6	715	620	note 5
51G	4/9/96	22:18	B	E	G	0%	04:12	720	600	note 5
47F	4/9/96	22:35	B	E	G	0%	note 6	730	590	note 5
47C	4/9/96	23:02	B	E	G	0%	note 6	755	590	note 5
41C	4/9/96	23:22	B	E	G	0%	note 6	720	580	note 5
47B	4/9/96	23:41	B	E	G	0%	note 6	720	600	note 5
41L	4/9/96	23:52	B	E	G	0%	03:23	720	600	note 5
41F	4/10/96	0:09	B	E	G	0%	note 6	715	600	note 5
51C	4/10/96	0:19	B	E	G	0%	note 6	715	600	note 5
47C	4/10/96	0:37	B	E	G	0%	note 6	720	600	note 5
51D	4/10/96	0:50	B	E	G	0%	note 6	715	600	note 5
41G	4/10/96	1:01	B	E	G	0%	note 6	715	600	note 5
41A	4/10/96	1:17	B	E	G	0%	note 6	715	600	note 5
41C	4/10/96	1:25	B	E	G	0%	note 6	715	600	note 5
47A	4/10/96	1:43	B	E	G	0%	note 6	710	600	note 5
41F	4/10/96	1:52	B	E	G	0%	note 6	715	600	note 5

Block 302	Block 303	Block 304	Block 305	Block 306	Block 307	Block 308	Block 309	Block 311	Block 312	Block 313
SRV EIN --- --- (1B21- FOXXX)	Date	Time of lift	see attached App. A --- --- Type of Actuation	see attached App. A --- --- Actuation Reason	see App. A --- --- Rx Op Condition prior to lift	Rx Pwr prior to lift	Time for tailpip temp < 200 F (hr:min)	Rx Press before lift (psig)	Reseat Press (psig)	Duration of lift (secs)
41D	4/10/96	2:10	B	E	G	0%	note 6	715	600	note 5
41B	4/10/96	2:21	B	E	G	0%	note 6	715	600	note 5
47D	4/10/96	2:39	B	E	G	0%	note 6	710	600	note 5
41F	4/10/96	2:49	B	E	G	0%	note 6	710	600	note 5
51E	4/10/96	3:04	B	E	G	0%	note 6	710	600	note 5
47B	4/10/96	3:14	B	E	G	0%	note 6	710	600	note 5
41A	4/10/96	3:29	B	E	G	0%	05:01	710	600	note 5
41C	4/10/96	3:39	B	E	G	0%	note 6	710	600	note 5
41L	4/10/96	3:55	B	E	G	0%	04:05	710	600	note 5
51C	4/10/96	4:06	B	E	G	0%	note 6	710	600	note 5
47A	4/10/96	4:23	B	E	G	0%	05:37	710	600	note 5
41F	4/10/96	4:44	B	E	G	0%	note 6	710	600	note 5
47D	4/10/96	4:51	B	E	G	0%	06:24	710	600	note 5
47B	4/10/96	5:00	B	E	G	0%	note 6	710	600	note 5
47A	4/10/96	5:18	B	E	G	0%	note 6	710	600	note 5
51B	4/10/96	5:28	B	E	G	0%	note 6	710	600	note 5
51D	4/10/96	5:45	B	E	G	0%	note 6	710	610	note 5
41F	4/10/96	5:54	B	E	G	0%	05:56	710	600	note 5
41D	4/10/96	6:13	B	E	G	0%	note 6	710	610	note 5
41G	4/10/96	6:21	B	E	G	0%	note 6	710	600	note 5
47F	4/10/96	6:40	B	E	G	0%	note 6	710	600	note 5
47C	4/10/96	6:51	B	E	G	0%	07:01	710	600	note 5
51G	4/10/96	7:11	B	E	G	0%	04:49	710	600	note 5

Block 302	Block 303	Block 304	Block 305	Block 306	Block 307	Block 308	Block 309	Block 311	Block 312	Block 313
SRV EIN --- --- (1B21- FOXXX)	Date	Time of lift	see attached App. A --- --- Type of Actuation	see attached App. A --- --- Actuation Reason	see App. A --- --- Rx Op Condition prior to lift	Rx Pwr prior to lift	Time for tailpip temp < 200 F (hr:min)	Rx Press before lift (psig)	Reseat Press (psig)	Duration of lift (secs)
41B	4/10/96	7:21	B	E	G	0%	note 6	710	590	note 5
51D	4/10/96	7:41	B	E	G	0%	note 6	710	610	note 5
47B	4/10/96	7:51	B	E	G	0%	note 6	710	600	note 5
51G	4/10/96	8:10	B	E	G	0%	note 6	710	610	note 5
51C	4/10/96	8:21	B	E	G	0%	06:39	710	600	note 5
47F	4/10/96	8:40	B	E	G	0%	05:56	720	600	note 5
41G	4/10/96	8:52	B	E	G	0%	07:30	720	600	note 5
51D	4/10/96	9:09	B	E	G	0%	07:36	710	600	note 5
41B	4/10/96	9:21	B	E	G	0%	07:39	715	600	note 5
47B	4/10/96	9:40	B	E	G	0%	08:20	720	590	note 5
41D	4/10/96	10:00	B	E	G	0%	(3) 5:15	715	590	note 5
41C	4/10/96	10:15	B	E	G	0%	07:25	715	600	note 5
41A	4/10/96	10:40	B	E	G	0%	04:20	720	610	note 5
51B	4/10/96	10:53	B	E	G	0%	07:44	720	590	note 5
47A	4/10/96	13:20	B	E	G	0%	04:40	710	550	note 5
51C	4/10/96	16:48	B	E	G	0%	06:12	720	515	note 5
note 3: SRV 41D cooled down to approximately 210 deg F, all other times are based on < 200 deg F.										
note 4: These durations are rough approximations based on logs taken during the event.										
note 5: These values are not available.										
note 6: SRV was actuated again prior to tailpipe temp decreasing below 200 deg F										

3831.01D002

ATTACHMENT

4-21-96 *J. H. H. H.*APPENDIX AACTUATION EVENTS CODESNOTE

For each actuation event, select the appropriate code corresponding to the block number on the actuation log, CPS No. 3831.01D002.

BLOCK #	DESCRIPTION	CODES (Select One)
305	Type of Actuation	A. Automatic B. Remote Manual C. Spring
306	Cause/Reason for Actuation	A. Overpressure B. ADS C. Test D. Inadvertent (Accidental, Spurious) E. Manual Relief
307	Reactor Operating Condition Prior to Lift (LER Codes)	C. Routine Startup D. Routine Shutdown E. Steady State Operation F. Load Changes During Routine Operation G. Shutdown (Hot or Cold) Except Refueling H. Refueling
314	Failure-Reports	(Select As Many As Applicable) A. Failure of any Part of Valve Assembly - SRV Report Required B. No Failures Occurred C. LER Submitted - Give LER Number in Block # 315 D. NPRDS Will Be Submitted E. Failure