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FACIL:50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331
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WILSON,D.L. Iowa Electric Light & Power Co.
RECIP.NAME RECIPIENT AFFILIATION

DAVIS,A.B. Region 3 (Post 820201)

SUBJECT: Monthly operating rept for Feb 1992 for Duane Arnold Energy
Ctr.W. 920315 ltr.

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MR

Iowa Electric Light and Power Company

March 15, 1992

DAEC-92-0105

Mr. A. Bert Davis
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License DPR-49
February 1992 Monthly Operating Report

Dear Mr. Davis:

Please find enclosed the Duane Arnold Energy Center Monthly Operating Report for February 1992. The report has been prepared in accordance with the guidelines of NUREG-0020 and distribution has been made in accordance with DAEC Technical Specifications, Section 6.11.1.c.

Very truly yours,

David L. Wilson

David L. Wilson
Plant Superintendent - Nuclear

DLW/HT/eah
Enclosures
File A-118d

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Handwritten signature/initials

OPERATING DATA REPORT

DOCKET NO. 050-0331
 DATE 03-15-92
 COMPLETED BY Hai Tran
 TELEPHONE (319) 851-7491

OPERATING STATUS

Notes

- 1. Unit Name: Duane Arnold Energy Center
- 2. Reporting Period: February 1992
- 3. Licensed Thermal Power (Mwt): 1658
- 4. Nameplate Rating (Gross MWe): 565 (Turbine)
- 5. Design Electrical Rating (Net MWe): 538
- 6. Maximum Dependable Capacity (Gross MWe): 545
- 7. Maximum Dependable Capacity (Net MWe): 515

8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since the Last Report, Give Reasons: N/A

9. Power Level to Which Restricted, If Any (Net MWe): N/A

10. Reasons for Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>696.0</u>	<u>1440.0</u>	<u>149712.0</u>
12. Number of Hours Reactor Was Critical	<u>634.5</u>	<u>1378.5</u>	<u>110166.8</u>
13. Reactor Reserve Shutdown Hours	<u>.0</u>	<u>.0</u>	<u>192.8</u>
14. Hours Generator On-Line	<u>632.5</u>	<u>1376.5</u>	<u>107284.6</u>
15. Unit Reserve Shutdown Hours	<u>.0</u>	<u>.0</u>	<u>.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>802399.2</u>	<u>1866739.2</u>	<u>144920335.6</u>
17. Gross Electrical Energy Generated (MWH)	<u>265666.0</u>	<u>622866.0</u>	<u>48589192.0</u>
18. Net Electrical Energy Generated (MWH)	<u>245418.1</u>	<u>578899.8</u>	<u>45543411.9</u>
19. Unit Service Factor	<u>90.9</u>	<u>95.6</u>	<u>71.7</u>
20. Unit Availability Factor	<u>90.9</u>	<u>95.6</u>	<u>71.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>68.5</u>	<u>78.1</u>	<u>58.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>65.5</u>	<u>74.7</u>	<u>56.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>12.9</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each):	<u>Refuel Outage 11, February 27, 1992, 59 days</u>		
25. If Shutdown at End of Report Period, Est. Date of Startup:	<u>April 26, 1992</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331
 DATE 03-15-92
 COMPLETED BY Hai Tran
 TELEPHONE (319) 851-7491

MONTH February 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	419
2	417
3	412
4	414
5	411
6	408
7	407
8	405
9	403
10	400
11	400
12	397
13	396
14	392
15	391

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
16	390
17	384
18	386
19	384
20	381
21	381
22	379
23	377
24	375
25	374
26	358
27	5.6
28	0
29	0
30	N/A
31	N/A

REFUELING INFORMATION

DOCKET NO. 50-0331
DATE 03-15-92
COMPLETED BY Hai Tran
TELEPHONE (319) 851-7491

1. Name of facility.
 - a. Duane Arnold Energy Center
2. Scheduled date for next refueling shutdown.
 - a. N/A
3. Scheduled date for restart following refueling.
 - a. April 26, 1992
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

Yes, RTS-218 and RTS-242 have been submitted.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

N/A
7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool.
 - a. 368
 - b. 1152
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.
 - a. 2050 - Licensed Capacity or
 - b. 1898 under the presently installed storage rack capacity.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.
 - a. 2000 - Licensed Capacity or
 - b. 1997 under the presently installed storage rack capacity.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1992

Docket No.: 050-0331
 Unit: Duane Arnold Energy Center
 Date: 03-15-92
 Completed By: Hai Tran
 Telephone: (319) 851-7491

No.	Date	Type(1)	Duration (Hours)	Reason(2)	Method of Shutting (3) Down Reactor	Licensee Event Report #	System Code (4)	Comp. Code (5)	Cause
1.	02-27-92	S	63.5	C	1	N/A	N/A	N/A	The Plant was shutdown for refuel outage 11.

1 - F: Forced
 S: Scheduled

2 - 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)

3 - Method
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continued
 5-Reduced Load
 9-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

MAJOR/SAFETY RELATED MAINTENANCE

Docket No.: 050-0331
 Unit: Duane Arnold Energy Center
 Date: 03-15-92
 Completed By: Hai Tran
 Telephone: (319) 851-7491

DATE	SYSTEM	COMPONENT	DESCRIPTION
02-22-92	'A' Emergency Diesel Generator	Speed Adjust Knob	The roll pin of the speed adjust knob on the governor was found sheared. A new roll pin is on order and will be installed during the refuel outage.
02-27-92	Varied	Varied	The plant was shutdown for refueling and various maintenance activities were in preparation.

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 050-0331
DATE 03-15-92
COMPLETED BY Hai Tran
TELEPHONE (319) 851-7491

- 02-01-92 The plant was operating in coastdown condition with 81.0% of rated thermal power delivering 418.5 MWe to the grid. There was one 10 CFR 50.73 reportable event: No unplanned LCO event (Limiting Conditions for Operation) for the Emergency Core Cooling Systems (ECCSs) or significant reduction in power level event during the month.
- 02-11-92 The plant was operating at 78.1% of rated thermal power delivering 399.6 MWe to the grid. During a fire barrier penetration seal inspection, a fire penetration was found unsealed. A firewatch had not been in place, while it was unsealed, as required by the Technical Specifications. Further investigation is continuing.
- LER 92-003 (pending)
- 02-27-92 At 0845 hours, the main generator was taken off the grid. At 1050 hours, the plant was shutdown as scheduled for refuel outage 11.
- 02-29-92 At the end of the month the plant was in cold shutdown condition for the refuel outage.