

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

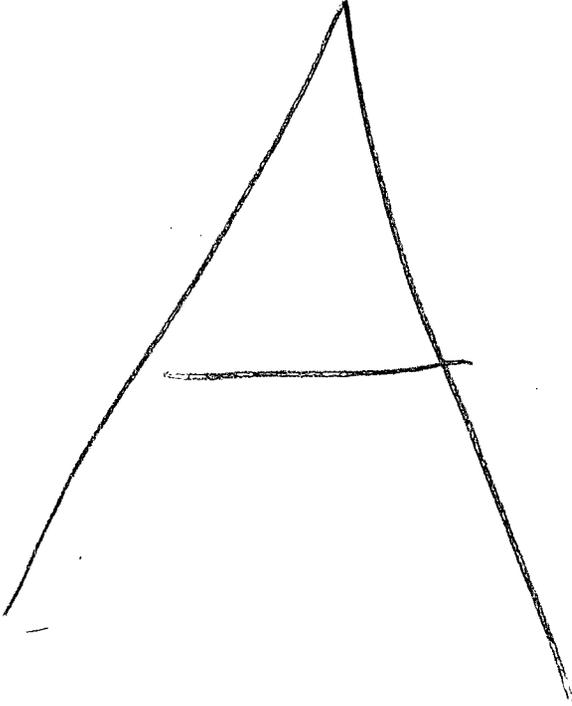
ACCESSION NBR: 8803230205 DOC. DATE: 88/02/29 NOTARIZED: NO DOCKET #
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331
 AUTH. NAME AUTHOR AFFILIATION
 MILLER, L. Iowa Electric Light & Power Co.
 HANNEN, R.L. Iowa Electric Light & Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Feb 1988.W/880315 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 7
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

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	NRR/DLPQ/PEB11B	1 1	NRR/DOEA/EAB11E	1 1
	NRR/DREP/RPB10A	1 1	NRR/PMAS/ILRB12	1 1
	<u>REG FILE</u> 01	1 1	RGN3	1 1
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OPERATING DATA REPORT

DOCKET NO. 050-0331

DATE 3-15-88

COMPLETED BY Lonnie Miller

TELEPHONE 319-851-7204

OPERATING STATUS

Notes

1. Unit Name Duane Arnold Energy Center
2. Reporting Period February, 1988
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:

9. Power Level to Which Restricted, if Any (Net MWe): _____
10. Reasons For Restrictions, if Any: _____

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>696.0</u>	<u>1440.0</u>	<u>114648.0</u>
12. Number of Hours Reactor Was Critical	<u>696.0</u>	<u>1440.0</u>	<u>81778.6</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>192.8</u>
14. Hours Generator On-Line	<u>696.0</u>	<u>1440.0</u>	<u>79695.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1142193.6</u>	<u>2344500.0</u>	<u>102381815.8</u>
17. Gross Electrical Energy Generated (MWH)	<u>392345.0</u>	<u>805896.0</u>	<u>34365724.0</u>
18. Net Electrical Energy Generated (MWH)	<u>371968.1</u>	<u>764968.5</u>	<u>32210610.1</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>69.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>69.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>103.8</u>	<u>103.2</u>	<u>54.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.3</u>	<u>98.7</u>	<u>52.2</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>15.0</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

None

25. If Shut Down At End of Report Period, Estimated Date Of Startup: N/A

8803230205 880229
 PDR ADOCK 05000331
 R DCD

(9/77) *1324/11*

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331

UNIT Duane Arnold Energy Center

DATE 3-15-88

COMPLETED BY Lonnie Miller

TELEPHONE 319-851-7204

MONTH February, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	543
2	543
3	544
4	542
5	540
6	541
7	528
8	542
9	542
10	542
11	537
12	536
13	535
14	523
15	540
16	538

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	539
18	540
19	538
20	540
21	530
22	532
23	541
24	538
25	541
26	536
27	539
28	451
29	521

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No. 050-0331
 Unit Name Duane Arnold Energy Center
 Date 3/15/88
 Completed by Lonnie Miller
 Telephone 319-851-7204

REPORT MONTH February, 1988

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause

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

Docket No. 050-0331

Unit Duane Arnold Energy Center

Date 3-15-88

Completed By Lonnie Miller

Telephone 319-851-7204

MAJOR/SAFETY RELATED MAINTENANCE

DATE	SYSTEM	COMPONENT	DESCRIPTION
02-08-88	High Pressure Coolant Injection (HPCI) System	Level Switch	A 7 day LCO was declared on the HPCI system due to a brass plug being used in place of a carbon steel plug on LS2206. The brass plug was replaced that same day.
02-18-88	Diesel Generator	Emergency Service Water (ESW) Expansion Joint	A welder accidentally damaged an ESW expansion joint, which was later repaired.

DOCKET NO. 050-0

UNIT Duane Arnold Energy Center

DATE 3-15-88

COMPLETED BY Lonnie Miller

TELEPHONE 319-851-7204

REFUELING INFORMATION

1. Name of facility.
 - A. Duane Arnold Energy Center
2. Scheduled date for next refueling shutdown.
 - A. Fall, 1988
3. Scheduled date for restart following refueling.
 - A. Fall, 1988
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? N/A
5. Scheduled date(s) for submitting proposed licensing action and supporting information. N/A
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.

None
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.
 - A. a) 368 b) 824
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
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.
 - A. 1998

DOCKET NO. 050-771
UNIT Duane Arnold Energy Center
DATE 3-15-88
COMPLETED BY Lonnie Miller
TELEPHONE 319-851-7204

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

- 02-01-88 At the beginning of the month the Duane Arnold Energy Center (DAEC) was operating at 100% rated thermal power with 543 MWe being supplied to the grid. There was one reportable event during the month (See Security LER 88-S01). This event was initiated on February 2, 1988.
- 02-08-88 At 0411 hours a 7 day Limiting Condition for Operation (LCO) was entered on the High Pressure Coolant Injection (HPCI) system due to maintenance activities on a level switch.
- At 1147 hours, after maintenance activities were completed on the level switch, the HPCI system was declared operable, ending the 7 day LCO.
- 02-17-88 At 1417 hours a 7 day LCO was entered on a Diesel Generator due to a hole in an Emergency Service Water (ESW) expansion joint.
- 02-18-88 At 1642 hours the Diesel Generator was declared operable following completion of the work on the Diesel Generator system, ending the 7 day LCO.
- 02-29-88 At the end of the month the Duane Arnold Energy Center (DAEC) was operating at 97.3% of rated thermal power, with 521.3 MWe-net being supplied to the grid.

Iowa Electric Light and Power Company

March 15, 1988
DAEC-88-0263

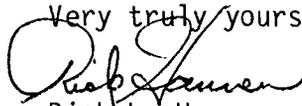
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Subject: Duane Arnold Energy Center
Docket No. 50-331
Op. License DPR-49
February, 1988 Monthly Operating Report

Dear Sirs:

Please find enclosed the Duane Arnold Energy Center Monthly Operating Report for February, 1988. The report has been prepared in accordance with the guidelines of Regulatory Guide 1.16 and distribution has been made in accordance with DAEC Technical Specifications, Section 6.11.1.c.

Very truly yours,

 3-11-88

Rick L. Hannen
Plant Superintendent - Nuclear
Duane Arnold Energy Center

RLH/LM/go*
Enclosures
File A-118d

cc: Mr. A. Bert Davis
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137 (1)

Mr. J. R. Hall
Project Manager
1 Whiteflint North
Mail Stop 13E21
11555 Rockville Pike
Rockville, MD 20852

INPO Records Center
1100 Circle 75 Parkway
Suite 1500
Atlanta, GA 30339

Mr. Phillip Ross
U. S. Nuclear Regulatory Commission
Maryland National Bank Building
Washington, D. C. 20555 (2)

NRC Resident Inspector

Mr. Dennis Murdock
Central Iowa Power Cooperative
Box 2517
Cedar Rapids, IA 52406

Mr. Russ Gamble
Corn Belt Power Cooperative
1300 13th Street North
Humboldt, IA 50548

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