OPERATING DATA REPORT

DOCKET NO. 050-0331
DATE 1-13-84
COMPLETED BY Matt Andersen
TELEPHONE 319-851-7308

OPERATING STATUS

Notes

1. Unit Name Duane Arnold Energy Center
2. Reporting Period December, 1983
3. Licensed Thermal Power (MWt): 1658
*4. Nameplate Rating (Gross MWe): 565 (Turbine Rating)
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	744.0	8760.0	78144.0
12. Number of Hours Reactor Was Critical	744.0	5678.7	55935.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	5507.5	54442.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1165312.8	7379042.4	67748562.4
17. Gross Electrical Energy Generated (MWH)	395781.0	2479140.0	22694057.0
18. Net Electrical Energy Generated (MWH)	373922.5	2324318.2	21238590.6
19. Unit Service Factor	100.0%	62.9%	69.7%
20. Unit Availability Factor	100.0%	62.9%	69.7%
21. Unit Capacity Factor (Using MDC Net)	97.6%	51.5%	52.8%
22. Unit Capacity Factor (Using DER Net)	93.4%	49.3%	50.5%
23. Unit Forced Outage Rate	0.0%	12.3%	17.3%

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

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

*Turbine Rating: 565.7 MWe
Generator Rating: 663.5 (MVA) x .90 (Power Factor) = 597 MWe

IE24

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331

UNIT Duane Arnold Energy Center

DATE January 13, 1984

COMPLETED BY Matt Andersen

TELEPHONE 319-851-7308

MONTH December 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	510	17	514
2	508	18	492
3	510	19	509
4	440	20	509
5	507	21	511
6	508	22	511
7	507	23	505
8	466	24	506
9	515	25	506
10	486	26	490
11	457	27	472
12	509	28	511
13	509	29	510
14	480	30	513
15	509	31	508
16	512		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1983

Docket No. 050-0331
Unit Name Duane Arnold Energy Center
Date January 13, 1984
Completed by Matt Andersen
Telephone 319-851-7308

No.	Date	Type[1]	Duration (hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
None									

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-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. 050-0331
Unit Duane Arnold Energy Ctr
Date January 13, 1984
Completed by Matt Andersen
Telephone 319-851-7308

REFUELING INFORMATION

1. Name of facility.

   A. Duane Arnold Energy Center

2. Scheduled date for next refueling shutdown.

   A. Fall, 1984

3. Scheduled date for restart following refueling.

   A. Fall 1984

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

   None currently identified.

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) 576

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. 050-0331
Unit Duane Arnold Energy Center
Date January 13, 1984
Completed by Matt Andersen
Telephone 319-851-7308

MAJOR SAFETY RELATED MAINTENANCE

DATE	SYSTEM	COMPONENT	DESCRIPTION
12-1-83	RPS	EPA (B2)	Recalibrated under frequency setpoint and functional tested satisfactory (RO 83-046)
12-1-83	CRD hydraulic	1P-209B	Pump center stage piece surface cleaned, aligned and filled bearing housings.
12-8-83	Main Steam Isolation & ADS	LIS-4532, 4534	Installed new 3-way valve manifolds.

Docket No. 050-0331
Unit Duane Arnold Energy Ctr
Date January 13, 1984
Completed by Matt Andersen
Telephone 319-851-7308

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

12-1-83 Normal plant operation at 545 MWe.

During surveillance testing, RPS EPA (B2) failed to trip output breaker at under frequency setpoint.

(RO 83-046)

12-2-83 At 0930 hours, completed CAD functional test with satisfactory results; 7-day LCO ended.

12-5-83 Normal plant operation at 539 MWe.

At 0013 hours, received 24 VDC (system A) trouble alarm. At 0022 hours, received hi-hi alarms from the "A" process rad monitors, a 1/2 group 3 isolation (channel A) and an auto initiation of the "A" SBGT system.

(RO 83-045)

12-8-83 Normal plant operation at 532 MWe.

12-13-83 Normal plant operation at 542 MWe.

12-18-83 Normal plant operation at 540 MWe.

12-20-83 During ASME in-service testing, inboard main steamline drain valve, MO-4423, exceeded 15 second maximum allowed closing time.

(RO 83-047)

12-21-83 Normal plant operation at 543 MWe.

12-26-83 Normal plant operation at 486 MWe.

12-30-83 At 1715 hours, process line flow was inadequate to containment radiation monitor RE-8103B. The monitor was declared inoperable and a 7-day LCO commenced due to redundant monitors being inoperable.

(Ro 83-049
pending)

12-31-83 Normal plant operation at 544 MWe.

Iowa Electric Light and Power Company
January 13, 1984
DAEC-84-21

Director, Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attn: Document Control Desk

Subject: Duane Arnold Energy Center
Docket No. 50-331
Op. License DPR-49
December 1983, Monthly Operating Report

Dear Sirs:

Please find enclosed 12 copies of the Duane Arnold Energy Center Monthly Operating Report for December 1983. 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, Appendix A, Section 6.11.1.c and Regulatory Guide 10.1.

Very truly yours,

Daniel L. Mineck
Plant Superintendent - Nuclear
Duane Arnold Energy Center

DLM/MWA/pf*
Enclosures
File A-118d, TE-5

cc: Director, Office of Inspection
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Director, Office of Management and
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