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MONTHLY REPORT

TO: Iowa/Elec/Light/ & Pwr/ Co
NRCFROM: Iowa Elec Light & Pwr Co
Cedar Rapids, Ia
E L Hammond

DATE OF DOCUMENT

9-8-77

DATE RECEIVED

9-14-77

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DESCRIPTION

Letter trans the following:

1p

PLANT NAME: Duane Arnold

9-14-77 chf

ENCLOSURE

Monthly Report for August 1977
Plant & Component Operability & Availability.
This Report to be used in preparing Gray Book
by Plans & Operations.

3p

1 CY ENCL Recd *

FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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Cedar Rapids, IA.

CONTROL NUMBER

MR

772570238

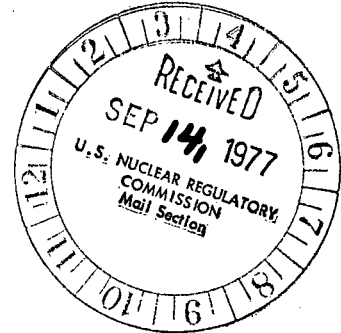
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IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406

September 8, 1977
DAEC-77-453

REGULATORY DOCKET FILE COPY



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

Subject: Monthly Operating Report

File: A-118d

Dear Sirs:

Please find enclosed 10 copies of the Duane Arnold Energy Center Monthly Operating Report for August, 1977. The report has been prepared in accordance with the requirements of Regulatory Guide 1.16 and distribution has been made in accordance with Regulatory Guide 10.1.

Very truly yours,

Ellery L. Hammond

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

ELH/JVS/mg

Encl.

cc: D. Arnold
J. Wallace
S. Smith
L. Root
W. Bryant
D. Mineck
D. Wilson
R. Hannen
Dennis Murdock
George Toyne

Directorate of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137 (1)

Director, Office of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555 (2)

1772570238

UNIT Duane Arnold Energy

Center

DATE August 8, 1977

COMPLETED BY J. Van Sickle

TELEPHONE 319-851-5611

OPERATING STATUS

1. REPORTING PERIOD: August GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 1658 MAX. DEPEND. CAPACITY (MWe-Net): 515
DESIGN ELECTRICAL RATING (MWe-Net): 538
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): _____
4. REASONS FOR RESTRICTION (IF ANY): _____

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL	732.3	4295.6	17,845
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7. HOURS GENERATOR ON LINE	729.5	4250	17,421.6
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	1,076,712	5,652,360	20,432,760
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	353,275	1,862,318	6,795,105
11. NET ELECTRICAL ENERGY GENERATED (MWH)	331,541.1	1,740,256.8	6,329,168
12. REACTOR SERVICE FACTOR	98.4%	73.7%	78.9%
13. REACTOR AVAILABILITY FACTOR	98.4%	73.7%	78.9%
14. UNIT SERVICE FACTOR	98.1%	72.9%	77.0%
15. UNIT AVAILABILITY FACTOR	98.1%	72.9%	77.0%
16. UNIT CAPACITY FACTOR (Using MDC)	86.5%	58.0%	54.3%
17. UNIT CAPACITY FACTOR (Using Design MWe)	82.8%	55.5%	52.0%
18. UNIT FORCED OUTAGE RATE	1.9%	1.7%	5.5%

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Snubber Inspection, November 12, 1977, 2 days.

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

DOCKET NO. 050-0331

UNIT Duane Arnold Energy Center

DATE August 8, 1977

COMPLETED BY J. Van Sickel

AVERAGE DAILY UNIT POWER LEVEL

MONTH August

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
1	456
2	452
3	285
4	148
5	330
6	428
7	378
8	432
9	478
10	481
11	496
12	495
13	490
14	335
15	465
16	480

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
17	496
18	493
19	491
20	483
21	482
22	472
23	490
24	492
25	487
26	472
27	451
28	451
29	481
30	472
31	467

(1) REASON
A-Equipment Failure (Explain)
B-Maint. or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training and
License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

(2) METHOD
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)

DOCKET NO. 050-0331

UNIT NAME Duane Arnold Energy Center

DATE August 8, 1977

COMPLETED BY J. Van Sickel

TELEPHONE 319-851-5611

UNIT SHUTDOWNS

AND POWER REDUCTIONS

REPORT MONTH August

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
8.	770803	F	14.5	H	3	Technician disturbed reactor high pressure instruments during surveillance testing causing automatic scram.
9.	770813	S	0	B	4	Power reduction to install MSR instrumentation package.

SUMMARY: Unit continued base loaded operation.

RECEIVED DOCUMENT
PROCESSING UNIT

1977 SEP 13 PM 2 26