

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 3913

FILE: MONTHLY REPORT FILE

FROM: Iowa Electric Light and Power Co. Cedar Rapids, Iowa G..G. Hunt		DATE OF DOC 4-7-75	DATE REC'D 4-10-75	LTR xxx	TWX	RPT	OTHER
TO: Office of Plans and Schedules		ORIG 1-signed	CC	OTHER	SENT AEC PDR <u>xxx</u>		
					SENT LOCAL PDR <u>xxxx</u>		
CLASS	UNCLASS xxxxx	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331		

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Monthly Report for March, 1975
Plant & Component Operability & Availability
This Report to be used in preparing Grey Book by Plans & Operations.

No. of Cys Rec'd 1

PLANT NAME: Duane Arnold

FOR ACTION/INFORMATION

4-10-75 JGB

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INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	<u>DENTON</u>	<u>LIC ASST</u>	<u>A/T IND</u>
AEC PDR	SCHROEDER	GRIMES	DIGGS (S)	BRAITMAN
OGC, ROOM P-506-A	MACCARRY	GAMMILL	GEARIN (S)	SALTZMAN
MUNTZING/STAFF	KNIGHT	KASTNER	GOULBOURNE (S)	B. HURT
CASE	PAWLICKI	BALLARD	KREUTZER (E)	
GIAMBUSSO	SHAO	SPANGLER	LEE (S)	<u>PLANS</u>
BOYD	STELLO		MAIGRET (S)	✓MCDONALD
MOORE (S) (BWR)	HOUSTON	<u>ENVIRO</u>	REED (E)	✓CHAPMAN
DEYOUNG (S) (PWR)	NOVAK	MULLER	SERVICE (S)	DUBE w/input
SKOVHOLT (S)	ROSS	DICKER	SHEPPARD (S)	E. COUPE
GOLLER (S)	IPPOLITO	KNIGHTON	SLATER (E)	
P. COLLINS	TEDESCO	YOUNGBLOOD	SMITH (S)	D. THOMPSON (2)
DENISE	LONG	REGAN	TEETS (S)	KLECKER
<u>REG OPR</u>	LAINAS	PROJECT LDR	WILLIAMS (E)	EISENHUT
FILE & REGION (2)	BENAROYA		WILSON (S)	
T.R. WILSON	VOLIMER	<u>HARLESS</u>	INGRAM (S)	

EXTERNAL DISTRIBUTION

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		G.T.

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

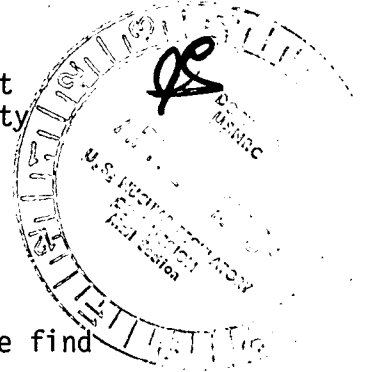
CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER
PALO, IOWA
APRIL 7, 1975
DAEC-75-148



Office of Plans and Schedules
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20545

SUBJECT: Monthly Plant and Component
Operability and Availability
Report

FILE: A-118d



Gentlemen:

In accordance with Regulatory Guide 1.16, please find enclosed the Monthly Plant and Component Operability and Availability Report for March 1975.

Yours very truly,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW:GGH:bh
Enclosure

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

3913

DATE April 7, 1975

COMPLETED BY D. Wilson

DOCKET NO. 50-331

OPERATING STATUS

1. REPORTING PERIOD: 0001,750301 THROUGH 2400,750331
HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 1593 MAX. DEPENDABLE CAPACITY (MWe-NET) 515
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET):
4. REASONS FOR RESTRICTION (IF ANY):

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.....	744	1,933.7	6,688.5
6. REACTOR RESERVE SHUTDOWN HOURS..	0	0	0
7. HOURS GENERATOR ON LINE.....	715.5	1,832.0	5,744
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH).....	789,192	1,916,808	6,459,528
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	265,671	630,738	2,135,488
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	247,787.5	588,574.5	1,990,631.5
12. REACTOR AVAILABILITY FACTOR (1).....	100%	85.1%	85.1%
13. UNIT AVAILABILITY FACTOR (2).....	96.2%	82.3%	82.3%
14. UNIT CAPACITY FACTOR (3).....	64.7%	53.5%	53.5%
15. UNIT FORCED OUTAGE RATE (4).....	1.5%	16.7%	16.7%
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):			
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:			

DATE LAST
FORECASTDATE
ACHIEVED

INITIAL CRITICALITY
INITIAL ELECTRICAL
POWER GENERATION
COMMERCIAL OPERATION

February 1975

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-331

UNIT Duane Arnold Energy Center

DATE April 7, 1975

COMPLETED BY D. Wilson-319/851-5611

AVERAGE DAILY UNIT POWER LEVEL

MONTH March 1975

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
1	27
2	274
3	396
4	403
5	415
6	415
7	421
8	400
9	378
10	408
11	407
12	403
13	427
14	425
15	358
16	307

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
17	381
18	388
19	327
20	269
21	225
22	162
23	17
24	221
25	341
26	357
27	340
28	300
29	372
30	357
31	402

(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

UNIT SHUTDOWNS

DOCKET NO. 50-331

UNIT NAME Duane Arnold Energy Center

DATE April 7, 1975

COMPLETED BY D. Wilson-319/851-5611

REPORT MONTH March 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
6	750301	S	17.5	B	N/A	Install Circulating Water Pump previously removed for repair.
7	750323	F	11.0	A	N/A	Recirculation discharge valve internal packing leak. See Abnormal Occurrence Report No. 50-331/75-14 dated March 31, 1975

SUMMARY: