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CONTROL NO: 1626

FILE: MONTHLY REPORT FILE

FROM: Iowa Electric & Power Co. Cedar Rapids, Iowa G.G. Hunt			DATE OF DOC 2-7-75	DATE REC'D 2-13-75	LTR xxx	TWX	RPT	OTHER
TO: Office of Plans & Schedules			ORIG 1-signed	CC	OTHER	SENT AEC PDR _____ SENT LOCAL PDR _____		
CLASS	UNCLASS xxxx	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331			

DESCRIPTION:

Ltr trans the following:

*ACKNOWLEDGED  
DO NOT REMOVE*

ENCLOSURES:

Monthly Report for January, 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 2-13-75 JGB

BUTLER (S)	SCHWENCER (S)	ZIEMANN (S)	REGAN (E)
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<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)	<input checked="" type="checkbox"/> MCDONALD
MOORE (S) (BWR)	HOUSTON	<u>ENVIRO</u>	REED (E)	<input checked="" type="checkbox"/> 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	SMYTH (S)	D. THOMPSON (2)
DENISE	LONG	REGAN	<input checked="" type="checkbox"/> TEETS (S)	KLECKER
<u>REG OPR</u>	LAINAS	PROJECT LDR	WILLIAMS (E)	EISENHUT
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		G.T.

# IOWA ELECTRIC LIGHT AND POWER COMPANY

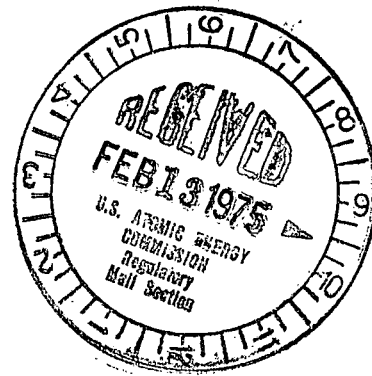
*General Office*

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER

PALO, IOWA

FEBRUARY 7, 1975

DAEC - 75 - 38



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

SUBJECT: Monthly Plant and Component  
Operability and Availability  
Report

FILE: A-118d

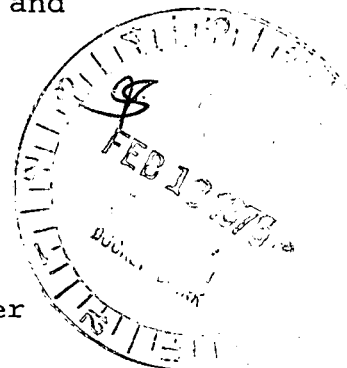
Gentlemen:

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

Yours very truly,

A handwritten signature in dark ink, appearing to read "G. G. Hunt".

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center



DLW:GGH:bh  
Enclosure

CC: C. W. Sandford  
J. A. Wallace  
L. D. Root  
D. L. Wilson  
E. L. Hammond  
B. R. York  
D. A. Moen  
K. M. Haas  
Dennis Murdock  
George Toyne

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

DATE February 5, 1975COMPLETED BY D. WilsonDOCKET NO. 50-331

## OPERATING STATUS

1. REPORTING PERIOD: 0001, 750101 THROUGH 2400, 750131  
HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 1658 MAX. DEPENDABLE CAPACITY (MWe-NET) 515
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): 330
4. REASONS FOR RESTRICTION (IF ANY): Self imposed limitations: One circulating water pump removed for repair.

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.....	<u>728.2</u>	<u>728.2</u>	<u>5483.0</u>
6. REACTOR RESERVE SHUTDOWN HOURS..	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>667</u>	<u>667</u>	<u>4579</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>664,104</u>	<u>664,104</u>	<u>5,206,824</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	<u>212,615</u>	<u>212,615</u>	<u>1,717,365</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>198,614</u>	<u>198,614</u>	<u>1,600,671</u>
12. REACTOR AVAILABILITY FACTOR (1).	<u>NA</u>		
13. UNIT AVAILABILITY FACTOR (2)....	<u>NA</u>		
14. UNIT CAPACITY FACTOR (3).....	<u>NA</u>		
15. UNIT FORCED OUTAGE RATE (4).....	<u>NA</u>		
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH): <u>Inspection (DRO Bulletin 75-01), 750209 10 days</u>			
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  
ACHIEVEDINITIAL CRITICALITY  
INITIAL ELECTRICAL  
POWER GENERATION  
COMMERCIAL OPERATIONFebruary 1975March 1974May 1974

- (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 February 5, 1975

COMPLETED BY D. Wilson

AVERAGE DAILY UNIT POWER LEVEL

MONTH January 1975

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
1	0
2	94
3	279
4	296
5	291
6	293
7	294
8	293
9	287
10	8
11	183
12	294
13	293
14	298
15	311
16	317

AVERAGE DAILY POWER LEVEL

DAY	(MWe-net)
17	315
18	313
19	315
20	316
21	331
22	309
23	330
24	351
25	346
26	323
27	319
28	334
29	356
30	37
31	157

(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 February 4, 1975

COMPLETED BY D. Wilson 319/851-5611

REPORT MONTH January 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
1	750101	S	31.8	B	1	Inspection of Circulating Water Pump
2	750110	S	20.0	B	1	Remove one Circulating Water Pump for repair
3	750122	S	0	A	N/A	Repair condensate pump leak
4	750130	F	25.2	A	3	Bypass valve malfunction while performing weekly turbine control valve and bypass valve testing caused high Rx pressure trip.

SUMMARY: Plant capacity restricted due to removal of  
 repair. Plant in final stages of Startup

one of two circulating water pumps for  
 Testing.