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DESCRIPTION:
Ltr trans the following:

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PLANT NAME: Duane Arnold

ENCLOSURES:
Monthly Report for NOVEMBER
Plant & Component Operability & Availability
This Report to be used in preparing Grey Book by Plans & Operations.

No. of Cys Rec'd 1

FOR ACTION/INFORMATION 12-11-74 ehf

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IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

DECEMBER 5, 1974

DAEC - 74 - 412

REGULATORY DOCKET FILE COPY

RECEIVED DEC 11 1974 U.S. ATOMIC ENERGY COMMISSION Regulatory Mail Section

50-331

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

SUBJECT: Monthly Plant and Component Operability and Availability Report

FILE: A-118d

Gentlement:

In accordance with requirements as stated by your office, please find enclosed the Monthly Plant and Component Operability and Availability Report for November, 1974.

Yours very truly,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

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UNIT DUANE ARNOLD ENERGY CENTER

DATE 12/7/74

COMPLETED BY G. Engle 319/851-5611

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OPERATING STATUS

1. REPORTING PERIOD: 001, 741101 THROUGH 2400, 741131
   HOURS IN REPORTING PERIOD: 720
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):
4. REASONS FOR RESTRICTION (IF ANY):

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.....	671.5	4010.8	4010.8
6. REACTOR RESERVE SHUTDOWN HOURS..	0	0	0
7. HOURS GENERATOR ON LINE.....	659.2	3168	3168
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH).....	825,168	3,562,464	3,562,464
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	286,406	1,169,195	1,169,195
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	268,713	1,086,060	1,086,060
12. REACTOR AVAILABILITY FACTOR (1).	NA		
13. UNIT AVAILABILITY FACTOR (2)....	NA		
14. UNIT CAPACITY FACTOR (3).....	NA		
15. UNIT FORCED OUTAGE RATE (4).....	NA		

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 FORECAST	DATE ACHIEVED
INITIAL CRITICALITY		March 1974
INITIAL ELECTRICAL POWER GENERATION		May 1974
COMMERCIAL OPERATION	Dec. 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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

(4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE+FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-331

UNIT DUANE ARNOLD ENERGY CENTER

DATE 12/7/74

COMPLETED BY G. Engle

AVERAGE DAILY UNIT POWER LEVEL

MONTH November 1974

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	433	17	305
2	397	18	435
3	338	19	469
4	395	20	443
5	428	21	440
6	444	22	439
7	428	23	418
8	416	24	383
9	394	25	445
10	338	26	466
11	378	27	447
12	421	28	400
13	416	29	420
14	4	30	425
15	0	31	
16	31		

(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

DOCKET NO. 50-331

UNIT NAME DUANE ARNOLD ENERGY CENTER

DATE 12/7/74

COMPLETED BY G. Engle

UNIT SHUTDOWNS

REPORT MONTH November 1974

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
50	741114	F	60.8	A	1	Steam Leak Reactor Building Equipment Drain Line

SUMMARY: Plant in Final Stages of Pre-Op/Startup Testing