

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

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) |
| W/ Copies | W/ Copies | W/ Copies | W/ Copies |
| CLARK (S) | STOLZ (S) | DICKER (E) | LEAR (S) |
| W/ Copies | W/ Copies | W/ Copies | W/ Copies |
| PARR (S) | VASSALLO (S) | KNIGHTON (E) | <input checked="" type="checkbox"/> D. THOMPSON |
| W/ Copies | W/ Copies | W/ Copies | W/ 2 Copies |
| KNIEL (S) | PURPLE (S) | YOUNGBLOOD (E) | |
| W/ Copies | W/ Copies | W/ Copies | W/ Copies |

INTERNAL DISTRIBUTION

| | | | | |
|---|--------------------|---------------|---|--|
| <u>REG FILE</u> | <u>TECH REVIEW</u> | <u>DENTON</u> | <u>LIC ASST</u> | <u>A/T IND</u> |
| <input checked="" type="checkbox"/> 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 |
| FILE & REGION (2) | BENAROYA | | WILSON (S) | |
| T.R. WILSON <u>STEELE</u> | VOLIMER | HARLESS | INGRAM (S) | <i>MR (2)</i> |

EXTERNAL DISTRIBUTION

| | | |
|--|--------------------------------|----------------------|
| <input checked="" type="checkbox"/> 1-LOCAL PDR Cedar Rapids, Iowa | (1) (2) (10) -NATIONAL LABS | 1-PDR SAN/LA/NY |
| <input checked="" type="checkbox"/> 1-TIC (ABERNATHY) | 1-W. PENNINGTON, RM-E-201 G.T. | 1-BROOKHAVEN NAT LAB |
| <input checked="" type="checkbox"/> 1-NSIC (BUCHANAN) | 1-CONSULTANTS | 1-G. ULRIKSON, ORNL |
| 1-ASLB | NEWMARK/BLUME/AGBABIAN | 1-AGMED RUTH GUSSMAN |
| 1-NEWTON ANDERSON | | ROOM B-127 G.T. |
| 16-ACRS HOLDING | | 1-J. RUNKLES RM-E-20 |
| | | G.T. |

IOWA ELECTRIC LIGHT AND POWER COMPANY

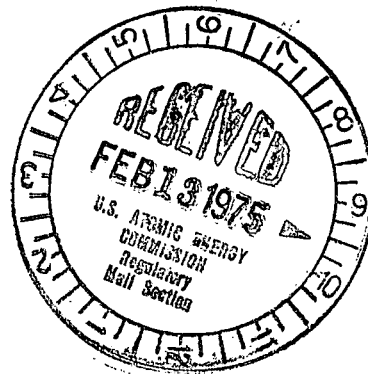
General Office

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

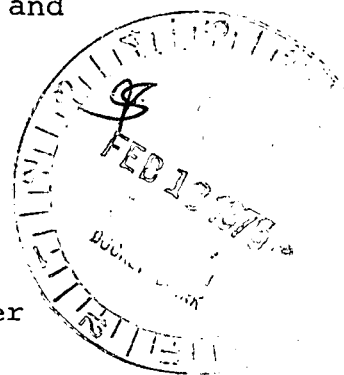
Gentlemen:

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 cursive script, 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
ACHIEVED

INITIAL CRITICALITY
INITIAL ELECTRICAL
POWER GENERATION
COMMERCIAL OPERATION

February 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.