

**AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 8189

FILE: MO RPT FILE

<b>FROM:</b> Iowa Electric Light & Power Company Cedar Rapids, Iowa Ellery L. Hammond			<b>DATE OF DOC</b> 8-2-74		<b>DATE REC'D</b> 8-8-74		<b>LTR</b> X	<b>TWX</b>	<b>RPT</b>	<b>OTHER</b>	
<b>TO:</b> DL			<b>ORIG</b> 1 signed		<b>CC</b>		<b>OTHER</b>		<b>SENT AEC PDR</b> <b>SENT LOCAL PDR</b>		
<b>CLASS</b>	<b>UNCLASS</b>	<b>PROP INFO</b>	<b>INPUT</b>		<b>NO CYS REC'D</b> 1		<b>DOCKET NO:</b> 50-331				
<b>DESCRIPTION:</b> Ltr trans the following:						<b>ENCLOSURES:</b> Monthly Report for July 1974 Plant & Component Operability & Availability This Report to be use for preparing Grey Book by Plans & Operations  No. of Copies Rec'd 1					
<b>PLANT NAME:</b> Duane Arnold						<b>Do Not Remove</b> <b>ACKNOWLEDGED</b>					

FOR ACTION/INFORMATION

8-8-74 AB

BUTLER (L)	SCHWENCER (L)	ZIEMANN (L)	REGAN (E)
W/ CYS	W/ CYS	W/ CYS	W/ CYS
CLARK (L)	STOLZ (L)	DICKER (E)	LEAR
W/ CYS	W/ CYS	W/ CYS	W/ 1 CYS
PARR (L)	VASSALLO (L)	KNIGHTON (E)	W. MAGEE
W/ CYS	W/ CYS	W/ CYS	W/ 2 CYS
KNIEL (L)	PURPLE (L)	YOUNGBLOOD (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS

INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	<u>DENTON</u>	<u>LIC ASST</u>	<u>A/T IND</u>
<u>AEC PDR</u>	HENDRIE	GRIMES	DIGGS (L)	BRAITMAN
OGC	SCHROEDER	GAMMILL	GEARIN (L)	SALTZMAN
MUNTZING/STAFF	MACCARY	KASTNER	GOULBOURNE (L)	B. HURT
CASE	KNIGHT	BALLARD	KREUTZER (E)	
GIAMBUSSO	PAWLICKI	SPANGLER	LEE (L)	<u>PLANS</u>
BOYD	SHAO		MAIGRET (L)	MCDONALD
MOORE (L)(LWR-2)	STELLO	<u>ENVIRO</u>	REED (E)	CHAPMAN
DEYOUNG (L)(LWR-1)	HOUSTON	MULLER	SERVICE (L)	DUBE w/input
SKOVHOLT (L)	NOVAK	DICKER	SHEPPARD (L)	E. COUPE
GOLLER (L)	ROSS	KNIGHTON	SLATER (E)	
P. COLLINS	IPPOLITO	YOUNGBLOOD	SMITH (L)	D. THOMPSON (2)
DENISE	TEDESCO	REGAN	TEETS (L)	KLECKER
<u>REG OPR</u>	LONG	PROJECT MGR	WILLIAMS (E)	EISENHUT
FILE & REGION (3)	LAINAS		WILSON (L)	
MORRIS	BENAROYA	<u>HARLESS</u>		
STEELE	VOLLMER			

EXTERNAL DISTRIBUTION

1 - LOCAL PDR Cedar Rapids, IA.	(1)(2)(10)-NATIONAL LABS	1-PDR-SAN/LA/NY
1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	1-G. ULRICKSON, ORNL
1 - ASLB	1-B&M SWINEBROAD, Rm E-201 GT	1-AGMED (RUTH GUSMAN)
1 - P. R. DAVIS	1-CONSULTANTS	Rm B-127 GT
16 - ACRS HOLDING	NEWARK/BLUNE/AGEABIAN	1-RD..MUELLER, Rm F-300

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

August 2, 1974

DAEC-74-274

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

Gentlemen:

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

Yours very truly,

*Ellery L. Hammond*

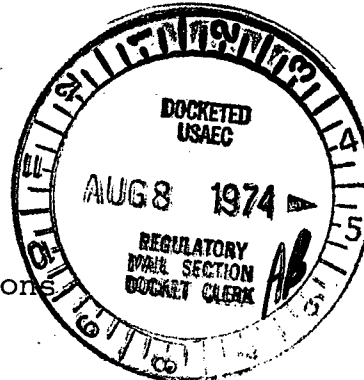
Ellery L. Hammond  
Assistant Chief Engineer  
Duane Arnold Energy Center

Encl.

GAE/ELH/mg

cc: C. W. Sandford  
J. A. Wallace  
E. L. Hammond  
L. D. Root  
D. L. Wilson  
G. A. Engle

Directorate of Regulatory Operations  
U. S. Atomic Energy Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137



8189

DUANE ARNOLD ENERGY CENTER

OPERATING STATUS

Completed by G. Engle

Date August 6, 1974

1. Reporting Period: 0001, 740701 to 2400, 740731  
Gross Hours in Reporting Period: 744
2. Currently Authorized Power Level MWT 1658 MWE-NET 538
3. Power Level to Which Restricted (if any):
4. Reasons for Restrictions (if any): Plant in power ascension testing.

	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative To Date</u>
5. Hours Reactor was Critical.....	<u>669.4</u>	<u>1803.6</u>	<u>1803.6</u>
6. Hours Generator On-Line.....	<u>631.7</u>	<u>1154.2</u>	<u>1154.2</u>
7. Gross Thermal Power Generated (MWH).....	<u>614,419</u>	<u>966,348</u>	<u>966,348</u>
8. Gross Electrical Power Generated (MWH)..	<u>192,581</u>	<u>291,266</u>	<u>291,266</u>
9. Net Electrical Power Generated (MWH)....	<u>177,379</u>	<u>262,782</u>	<u>262,782</u>
10. Reactor Availability Factor.....	<u>90</u>	<u>90</u>	<u>90</u>
11. Plant Availability Factor.....	<u>84.9</u>	<u>84.9</u>	<u>84.9</u>
12. Plant Capacity Factor.....	<u>44.3</u>	<u>44.3</u>	<u>44.3</u>
13. Forced Outage Rate.....	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>
14. Shutdowns Scheduled to Begin in next 6 months (State Type, Date and Duration of each):			

15. If Shutdown at End of Report Period, Estimated Date of Startup:

16. Plants in Test Status (Prior to Commercial Operation) Report the following:

	<u>DATE LAST FORECAST</u>	<u>DATE ACHIEVED</u>	<u>REASON FOR DIFFERENCE</u>
INITIAL CRITICALITY	<u>March, 1974</u>	<u>March, 1974</u>	<u></u>
INITIAL ELEC PWR GENERATION	<u>May, 1974</u>	<u>May, 1974</u>	<u></u>
COMMERCIAL OPERATION	<u>July, 1974</u>	<u></u>	<u></u>

## DUANE ARNOLD ENERGY CENTER

## PLANT SHUTDOWNS

Date: August 6, 1974Completed by: G. EngleReport Month: July 1974

## Summary:

Plant and Reactor in Start-up Test Operations. Completed 75% power testing. Cumulative data for current month only until 100% Commercial Operation.

NO.	DATE	TYPE	DURATION	REASON	METHOD	COMMENTS
33	740630	F	2.4		C	Reactor high level caused scram due to oscillating "B" Feedwater Reg. Valve while performing test on HPCI.
34	740705	S	10.6	B	C	
35	740714	F	3.4	G	C	Voltmeter was plugged into an EHC test point which caused the pressure regulator to sense a false Failure Signal.
36	740716	F	14.2	G	C	Construction workers striking scram discharge volume level switches while erecting a scaffold.
37	740718	F	16.2	A	C	Turbine trip due to spurious reactor water high level signal.
38	740721	F	27.5	B	A	Fix Feedwater check valve.
39	740731	F	0.3	A	B	Instrument Air Compressor Ground due to water level in Turbine building basement.

JOANE ARNOLD ENERGY CENTER  
DAILY PLANT POWER OUTPUT

Date: August 6, 1974

Completed by: G. Engle

Report Month: July, 1974

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>124</u>	21	<u>9</u>
2	<u>216</u>	22	<u>64</u>
3	<u>313</u>	23	<u>314</u>
4	<u>357</u>	24	<u>303</u>
5	<u>369</u>	25	<u>205</u>
6	<u>0</u>	26	<u>293</u>
7	<u>0</u>	27	<u>356</u>
8	<u>230</u>	28	<u>363</u>
9	<u>347</u>	29	<u>366</u>
10	<u>342</u>	30	<u>368</u>
11	<u>311</u>	31	<u>342</u>
12	<u>324</u>		
13	<u>242</u>		
14	<u>191</u>		
15	<u>243</u>		
16	<u>172</u>		
17	<u>132</u>		
18	<u>147</u>		
19	<u>163</u>		
20	<u>285</u>		