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NHC FORM 196 (2-76)

IOWA ELECTRIC LIGHT AND POWER COMPANY

P. O. BOX 351 Cedar Rapids, Icwa 52406 October 7, 1976 DAEC - 76 - 315

Director, Office of Inspection and Enforcement U. S. Nuclear Regulatory Commission Washington D.C. 20555

Subject: Monthly Operating Report

File: A-118d

Dear Sirs:

REGILATORY DUCKET FILE COPY

Please find enclosed 10 copies of the Duane Arnold Energy Center Monthly Operating Report for September, 1976. The report has been prepared in accordance with the requirements of Regulatory Guide 1.16 and distribution has been made in accordance with Regulatory Guide 10.1.

Very truly yours,

G. G. Hunt Chief Engineer Duane Arnold Energy Center

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TEL-COM-BR-DAC

U.S. NUC

DLW/GGH/mg

Encl.

- cc: D. Arnold
 - J. Wallace
 - S. Smith
 - L. Root
 - W. Bryant
 - E. Hammond
 - D. Wilson
 - K. Heas

Dennis Murdock George Toyne Directorate of Inspection and Enforcement U. S. Nuclear Regulatory Commission Region III 799 Roosevelt Road Glen Ellyn, Illinois 60137 (1)

Director, Office of Management Information and Program Control U. S. Muclear Regulatory Commission Washington, D.C. 20555 (2)

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UNIT Duane Arnold Energy Center

DATE October 7, 1976

COMPLETED BY J. Van Sickel

AVERAGE DAILY UNIT POWER LEVEL

MONTI	September		
	AVERAGE DAILY POWER LEVEL	AV	ERAGE DAILY POWER LEVEL
DAY	(MWe-net)	DAY	(Mue-net)
I	419	17	467
2.	470	18	450
3	459	19	418
4	459	20	471
5	450	21	467
6	459	22	447
7	456	23	77
8	386	24	229
9	0	25	396
10	126	26	437
11	158	27	473
12	272	28	467
13	376	29	472
14	453	30	463
15	. 475	31	
16 .	471	• • •	

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DATE October 7, 1976

COMPLETED BY J. Van Sickel

DOCKET NO. 050-331

OPERATING STATUS

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Ϊ.	REPORTING PERIOD: 0001, 760901	THROUGH	2400, 760930	,
ŝ	HOURS IN REPORTING PERIOD:	720		TRAPS TY
2.	(MUA-NET) 515	((Partn) 1773 nn.	, BEPENDMOLE un	PALLIT
3.	LOWEST POWER LEVEL TO WHICH SPE	CIFICALLY RESTRICTED	D (IF ANY) (MWe	2-NET) :
A	490 (approximately)	A mod dimensiona of	111+ of	
4.	in-core instrument tube vibrati	J: INU ULFEUULVE and) the result of	potent
		THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5.	HOURS REACTOR WAS CRITICAL	694.2	4844.9	16,875.6
6. 7	HALDS GENERATOR ON LINE	670.9	L712.7	15.612.9
8.	UNIT RESERVE SHUTDOWN HOURS	a	* (d++ +) 	
9.	GROSS THERMAL ENERGY GENERATED (MMH)	. 892,680	5,489,448	17,452,896
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	298,116	1,816,498	5,792,727
11.	NET ELECTRICAL ENERGY	279,349.7	1.690,116.2	5,390,356.
12.	REACTOR AVAILABILITY FACTOR (1)	96%	74%	785
13.	UNIT AVAILABILITY FACTOR (2)	. 93%	72%	767
14.	UNIT CAPACITY FACTOR (3)	. 75%	50%	50%
15.	UNIT FORCED OUTAGE RAIE (4)	·	4%	7%
16.	SHUTDOWNS SCHEDULEU IU BEGIN IN	NEXT 6 MONTHS (STAN	E TYPE, DALL,	AND DURALLOW
17.	TE SUIT NIMN AT END OF REPORT PI	EDIAD ESTEMATED DAT	TE DE STARTUP:	· · · · · · · · · · · · · · · · · · ·
18.	UNITS IN TEST STATUS (PRIOR TO (COMMERCIAL OPERATION	A REPORT THE F	OLLOWING:
-) the write	
		DATE LAS FORECAST	IT DA ACHI	TE EVED
	INITIAL CRIT INITIAL ELEC POMER GENER/	CTRICALITY	· · · · · · · · · · · · · · · · · · ·	
	CUMPLENLIAL U	JPERATION	Febr	ruary, 1975
(1)	REACTOR AVAILABILITY FACTOR = $\frac{HO}{HC}$	NIRS REACTOR WAS CRIT	TICAL X 100	
(2)	UNIT AVAILABILITY FACTOR $=\frac{HO}{HC}$	AURS GENERATOR ON LIN	NE X 100	
(3)	UNIT CAPACITY FACTOR $= \frac{NE}{M^2}$	T ELECTRICAL POWER GE	ENERATED	X HOURS IN
(4)	INIT FORCED OUTAGE RATE = FO	PORTING PERIOD JRCED OUTAGE HOURS	_	X 1
	НО	AURS GENERATOR ON LIP	NE+FORCED OUTAR	<i>GE</i> HOURS

•			
1)	REASON	(2) METHOD	
	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)	2-Manual Scram 3-Automatic Scram UNIT SHUTDOWNS	DC
	H-Other (Explain)		COM

DOCKET	NO. 050-331

UNIT NAME Duane Arnold Energy Center

DATE October 7, 1976

COMPLETED BY J. Van Sickel

REPORT MONTH September

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
12	760909	F	28.7	A	1.	Repair valve packing gland steam leaks.
13	760910	F	11	H	3	Loss of nitrogen pressure to MSIV's due to nitrogen volume depletion.
14	760923	F	9.4	A	1	Repair extraction steam leaks.
					- -	