OPERATING DATA REPORT

DOCKET NO. 050-331DATE 8-15-80COMPLETED BY 3.000

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Center	Notes						
1. Unit Name: <u>Duane Arnold Energy Center</u> 2. Reporting Period: <u>July, 1980</u>							
4. Nameplate Rating (Gross MWe): 565 (Turbine rating) 5. Design Electrical Rating (Net MWe): 538							
E/I E							
ETE							
Amenin Dependance Capacity (1964).							
number 3 inrough /) Sir	ice Last Report, Give Rea	sons:					
· · · · · · · · · · · · · · · · · · ·							
t MWe):							
	·.						
This Month	Yrto-Date	Cumulative					
7 4 4	5111	48,191					
625 1		33,757.9					
	0	0					
	3 005 4	32,914.6					
	3,093.4 0	32,914.0 N					
·	3 885 120	41,014,680					
		13,729,86					
	·	12,836,32					
		68.3%					
	·	68.3%					
	·	51.7%					
	44.4%	49.5%					
	•	20.0%					
	•						
ype, Date, and Duration	of Lacif.	•					
		·.					
	This Month 744 625.1 0 609.1 0 787,608 257,224 240,619 81.9% 62.8% 60.1% 18.1%	This Month Yr. to-Date 744 5111 625.1 3,193.9 0 0 609.1 3,095.4 0 0 787,608 3,885,120 257,224 1,305,499 240,619 1,221,262 81.9% 60.6% 81.9% 60.6% 81.9% 60.6% 62.8% 46.4% 60.1% 44.4% 18.1% 8.9% ype, Date, and Duration of Each):					

*Turbine Rating: 'Generator Rating:

565.7 MWe 663.5 (MVA) x .90 (Power Factor) = 597 MWe

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. _____050-0331 UNIT Duane Arnold Energy DATE August 15, 1980 COMPLETED BY J. Van Sickel

TELEPHONE 319-851-5611

MONTH July, 1980

17 18 19 20 21 22 23	0 233 362 379 460 479
19 20 21 22 23	362 379 460 479
20 21 22 23	379 460 479
21 22 23	<u>460</u> <u>479</u>
22 23	479
23	
	484
24	491
25	488
26	479
27	478
28	481
29	481
30	450
31	433
	27 28 29 30

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

050-0331 DOCKET NO. UNITNAME Duane Arnold Energy Ctr. August 15, 1980 Van Sickel COMPLETED BY TELEPHONE 319-851-5611

REPORT MONTH July, 1980

No.	Date	Type1	Duration (Hours)	Reason 2	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
11.	800703	S	0	Н	4				Power was reduced to perform a control rod sequence exchange.
12.	800706	F	0	А	4				Power was reduced on the "B" recirc system isolated due to an indication of the loss of the inner seal on the "B" recirc pump.
13.	800712	F	134.9	D	2				Reactor was manually scrammed to perform special testing required as a result of NRC Bulletin 80-17.

F: Forced S: Scheduled

Reason:

A-Equipment Failure (Explain) B-Maintenance or Test

C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative

G-Operational Error (Explain)
H-Other (Explain)

Method:

1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Other (Explain)

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

Exhibit 1 - Same Source

(9/77)

REFUELING INFORMATION

Unit Duane Arnold Energy Center Date August 15, 1980
Completed by J. Van Sickel Telephone 319-851-5611

- 1. Name of facility.
 - A. Duane Arnold Energy Center
- 2. Scheduled date for next refueling shutdown.
 - A. March 1, 1981
- 3. Scheduled date for restart following refueling.
 - A. May 3, 1981
- 4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
 - A. No
- Scheduled date(s) for submitting proposed licensing action and supporting information.
 - A. N/A
- 6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.
 - A. No licensing action is anticipated.
- 7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.
 - A. a) 368
- b) 364
- 8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.
 - A. 2050
- 9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.
 - A. 1998

Docket No. 050-0331
Unit Duane Arnold Energy Cente
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MAJOR SAFETY RELATED MAINTENANCE

DATE SALE	SYSTEM	COMPONENT	DESCRIPTION
7-3-80	Control Rod Drive	Rod select switch 18-31	Replaced switch
7-3-80	Neutron Monitoring	"B" RBM	Replaced sequence logic board and rod select switch 14-23
7-15-80	Reactor Building Exhaust Rad Monitoring	RR 7606A	Repaired signal converter
	Standby Gas Treatment	SV 8104B	Replaced coil
7-16-80	Drywell radiation monitors	RE 8102A	Replaced detector tube
7-16-80	CRD Hydraulic	CV-1867	Ground out welds, reversed valve to proper orientation and rewelded.
7-17-80	RHR	CV-2037	Replaced air supply fitting
7-18-80	CRD hydraulic	CV-1867	Placed air supply tubbing
7-19-80	Core spray	PDIS 2139	Recalibrated switch
7-23-80	Drywell Radiation Monitors	RE 8102A	Replaced detector
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Docket No. 050-0331
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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

- 7-1 At the beginning of the report period the plant was operating at 520 MWe.
- 7-3 At power decrease was begun at 2138 hours in order to perform a rod sequence exchange.
- 7-4 The rod sequence exchange was completed and a power increase begun.
- 7-6 Due to an indication of the loss of the inner seal on the "B" recirculation pump, power was reduced, the "B" recirc system removed from service and the "B" recirc pump isolated.
- 7-8 The plant was operating on one recirc loop with power at 246 MWe.
- 7-8 During surveillance testing, standby diesel generator 1G-21 was found unresponsive to local or remote governor control.

RO Report 80-032

7-9 During surveillance testing, LPCI loop selection logic PDIS 4641 would not reset after being tripped during the test.

RO Report 80-031

7-11 During surveillance testing, the RCIC turbine trip throttle valve, MO-2405 would not open electrically.

RO Report 80-033

- 7-12 A power decrease was begun at 0330 hours. The reactor was manually scrammed from 677 MWH at 0923 hours in order to do special scram system testing required by NRC Bulletin 80-17. A reactor startup was begun in order to perform a second required scram test. With the reactor at 50% rod density and subcritical, the reactor was scrammed at 1620 hours. Plant startup was delayed in order to replace the seal assembly on the "B" recirc pump.
- 7-12 During NRC Bulletin 80-17 scram testing it was determined that scram discharge volume drain valve CV-1867 would not seal against reactor pressure.

RO Report 80-028

7-12 Following a plant shutdown, the suppression chamber water level was reduced below minimum volume required by Technical Specifications.

RO Report 80-029

Döcket No. 050-0331
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NARRATIVE SUMMARY OF OPERATING EXPERIENCES

7-12 While shutdown it was determined that the monthly surveillance testing of the recirculation pump trip system was not completed as required by Technical Specifications.

RO Report 80-034

- 7-13 The reactor was in cold shutdown at 0115 hours.
- 7-15 While attempting to start the "A" recirc M-G set, essential BUS 1A3 tripped on undervoltage due to low system voltage because of load demands. Standby diesel generator 1G-31 started and restored power to 1A3.
- 7-17 Repairs to the "B" recirc pump seal were completed and a reactor startup begun. The reactor was critical at 0818 hours.
- 7-18 The generator was placed on the line at 0019 hours. The plant was at 380 MWe at 1400 hours. A fuel preconditioning ramp was begun.
- 7-18 During a power increase the "B" rod block monitor was found inoperable and causing a rod withdrawal block.

RO Report 80-036

- 7-19 At 2300 hours a power reduction was begun in preparation for control rod withdrawals.
- 7-19 During surveillance testing the "B" core spray system header to top of core plate high differential pressure switch, PDIS 2139 had an out of specification setpoint.

RO Report 80-035

- 7-20 Control rod withdrawals were completed and a power increase begun.
- 7-21 The scram discharge volume vent line was cut downstream of the vent valve to comply with instructions received from the NRC. The line is now open to the reactor building atmosphere.
- 7-22 The plant was operating at 516 MWe.
- 7-22 During surveillance testing, river water supply system traveling screen 1F-36B was found inoperable.

RO Report 80-030

7-22 During surveillance testing control building air intake radiation monitor would not respond to a sensor check.

RO Report Pending

cket No. 050-0331

it Duane Arnold Energy Center
Date August 15, 1980
Completed by J. Van Sickel
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NARRATIVE SUMMARY OF OPERATING EXPERIENCES

7-31 While preparing the Semiannual Operating Report it was found that the monthly alpha analysis of particulate filters from the reactor building ventilation stacks and the off gas stack was not completed for April 1980.

ETSV Report 80-4