

OPERATING DATA REPORT

DOCKET NO. 050-0331
 DATE September 14, 1981
 COMPLETED BY J. Van Sickle
 TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: July, 1981
3. Licensed Thermal Power (MWt): 1658
- *4. Nameplate Rating (Gross MWe): 565 (Turbine Rating)
5. Design Electrical Rating (Net MWe): 538
6. Maximum Dependable Capacity (Gross MWe): 545
7. Maximum Dependable Capacity (Net MWe): 515
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5,831	57,695
12. Number Of Hours Reactor Was Critical	744	3,968	41,136.7
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	744	3,822.9	40,099.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	822,233	4,957,388	50,956,026
17. Gross Electrical Energy Generated (MWH)	275,946	1,674,389	17,077,076
18. Net Electrical Energy Generated (MWH)	257,184	1,571,199	15,983,237
19. Unit Service Factor	100%	65.6%	69.5%
20. Unit Availability Factor	100%	65.6%	69.5%
21. Unit Capacity Factor (Using MDC Net,	67.1%	52.3%	53.8%
22. Unit Capacity Factor (Using DER Net)	64.3%	50.1%	51.5%
23. Unit Forced Outage Rate	0%	5.6%	17.9%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>Maintenance, 10/4/81, one week</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup:

* Turbine Rating: 565.7 MWe
 Generator Rating: 663.5 (MVA) x .90 (Power Factor) = 597 MWe

AVERAGE DAILY UNIT POWER LEVEL

DCCKET NO. 050-0331

UNIT Duane Arnold Energy

DATE September 14, 1981

COMPLETED BY J. Van Sickel

TELEPHONE 319-851-5611

MONTH August, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe Net)
1	<u>297</u>
2	<u>285</u>
3	<u>285</u>
4	<u>302</u>
5	<u>300</u>
6	<u>302</u>
7	<u>304</u>
8	<u>297</u>
9	<u>301</u>
10	<u>305</u>
11	<u>300</u>
12	<u>287</u>
13	<u>305</u>
14	<u>317</u>
15	<u>314</u>
16	<u>270</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>284</u>
18	<u>298</u>
19	<u>297</u>
20	<u>376</u>
21	<u>443</u>
22	<u>395</u>
23	<u>329</u>
24	<u>414</u>
25	<u>471</u>
26	<u>449</u>
27	<u>451</u>
28	<u>449</u>
29	<u>423</u>
30	<u>422</u>
31	<u>444</u>

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

REPORT MONTH August, 1981

DOCKET NO. 050-0331
 UNIT NAME Duane Arnold Energy Center
 DATE September 14, 1981
 COMPLETED BY Van Sickle
 TELEPHONE 319-851-5611

No.	Date	Type ¹	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
	None								

1 F: Forced
S: Scheduled

2 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

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

5 Exhibit I - Same Source

REFUELING INFORMATION

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date September 14, 1981
Completed by J. Van Sickle
Telephone 319-851-5611

1. Name of facility.
A. Duane Arnold Energy Center
2. Scheduled date for next refueling shutdown.
A. Fall, 1982
3. Scheduled date for restart following refueling.
A. Unknown
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
A. Yes. New MAPLHGR tables will have to be included in Technical Specifications.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
A. Unknown at this time.
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. New fuel assemblies to be placed in the reactor will be more highly enriched than those currently in use.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.
A. a) 368 b) 448
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

MAJOR SAFETY RELATED MAINTENANCE

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date September 14, 1981
Completed by J. Van Sickle
Telephone 319-851-5611

DATE	SYSTEM	COMPONENT	DESCRIPTION
8-11-81	Drywell Radiation Monitors	RE-8103A	Replaced detector
8-12-81	Drywell Radiation Monitors	RE-8101A	Replaced detector
8-14-81	Containment Atmospheric Control	AN-8181A	Installed new chemicals
8-19-81	Containment Atmospheric Control	AN-8181A	Installed new chemicals
8-20-81	Drywell Radiation Monitors	RE-8102B	Replaced detector
8-22-81	RCIC	CV-2410	Replaced body to bonnet gasket
8-25-81	RHR	MOV-1940	Replaced motor
8-25-81	Containment Atmospheric Control	SV-8118B and SV-8130B	Replaced solenoid coils

Docket No. 050-0331
Unit Duane Arnold Energy Center
Date September 14, 1981
Completed by J. Van Sickle
Telephone 319-851-5611

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

8-1 At the beginning of the report period the plant was operating at 322 MWe. Plant load was reduced due to lack of system demand.

8-12 During normal operation, containment atmosphere monitoring systems A & B were found to be operating without sample points selected.

RO Report 81-032

8-17 The RCIC system was removed from service in order to replace full flow test valve MOV 2515.

RO Report Pending

8-20 During surveillance testing, RCIC suppression pool area steam leak detection temperature differential switch TDS-2521C was found to trip at an out of specification value.

RO Report 81-031

8-23 Replacement of MOV-2515 was completed and the RCIC system was tested and declared operable.

8-31 The plant was operating at 498 MWe at 2230 hours.