

OPERATING DATA REPORT

DOCKET NO. 050-0331
 DATE February 2, 1982
 COMPLETED BY J. Van Sickle
 TELEPHONE 319-851-5611

OPERATING STATUS

1. Unit Name: Duane Arnold Energy Center
2. Reporting Period: January, 1982
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 | 744 | 61,368 |
| 12. Number Of Hours Reactor Was Critical | 744 | 744 | 44,222.7 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 0 |
| 14. Hours Generator On-Line | 744 | 744 | 43,133.4 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 971,753 | 971,753 | 54,025,151 |
| 17. Gross Electrical Energy Generated (MWH) | 330,241 | 330,241 | 18,105,281 |
| 18. Net Electrical Energy Generated (MWH) | 311,303 | 311,303 | 16,942,889 |
| 19. Unit Service Factor | 100% | 100% | 70.3% |
| 20. Unit Availability Factor | 100% | 100% | 70.3% |
| 21. Unit Capacity Factor (Using MDC Net) | 81.2% | 81.2% | 52.9% |
| 22. Unit Capacity Factor (Using DER Net) | 77.8% | 77.8% | 51.3% |
| 23. Unit Forced Outage Rate | 0.0% | 0.0% | 16.9% |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Maintenance, April 1, 1982, Two weeks

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

8202180398 820209
 PDR ADDCK 05000331
 PDR
 R

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0331
 UNIT Duane Arnold
Energy Center
 DATE February 9, 1982
 COMPLETED BY J. Van Sickle
 TELEPHONE 319-851-5611

MONTH January, 1982

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | 220 |
| 2 | 223 |
| 3 | 233 |
| 4 | 328 |
| 5 | 399 |
| 6 | 444 |
| 7 | 451 |
| 8 | 439 |
| 9 | 307 |
| 10 | 386 |
| 11 | 455 |
| 12 | 452 |
| 13 | 444 |
| 14 | 446 |
| 15 | 444 |
| 16 | 449 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | 443 |
| 18 | 472 |
| 19 | 502 |
| 20 | 448 |
| 21 | 425 |
| 22 | 369 |
| 23 | 421 |
| 24 | 461 |
| 25 | 481 |
| 26 | 458 |
| 27 | 501 |
| 28 | 502 |
| 29 | 499 |
| 30 | 375 |
| 31 | 494 |

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 February, 1982

DOCKET NO. 050-0331
 UNIT NAME Duane Arnold Energy Ctr.
 DATE February 2, 1982
 COMPLETED BY J. 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 |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 1. | 820109 | S | 0 | H | 4 | | | | Power was reduced to perform control rod withdrawals. |
| 2. | 820130 | S | 0 | B | 4 | | | | Power was reduced to allow repair work on the condenser air ejectors. |

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 C
Date February 2, 1982
Completed by J. Van Sicken
Telephone 319-851-5611

1. Name of facility.
A. Duane Arnold Energy Center
2. Scheduled date for next refueling shutdown.
A. September 4, 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 February 2, 1982
Completed by J. Van Sickle
Telephone 319-851-5611

| DATE | SYSTEM | COMPONENT | DESCRIPTION |
|---------|---------------------------------|---------------------|--|
| 1-4-82 | Containment Atmospheric Control | RE-8101B | Replaced detector. |
| 1-21-82 | RHR Service Water | Snubber GBC-1-SS-56 | Replaced snubber. |
| 1-25-82 | Primary Containment | TDS-2260A | Replaced switch on temperature module. |
| 1-27-82 | RHR | CV-2037 | Replaced valve yoke. |

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

- 1-1 At the beginning of the report period the plant was operating at 244 Mwe.
1-5 A power increase was begun.
1-6 The plant was operating at 474 MWe at 1327 hours.
1-7 During normal operation, an offgas stack high/low flow alarm was received. The cause was a frozen sample return line.

ETSV Report 82-1

- 1-8 During surveillance testing, turbine building main steam supply line area high temperature switch TIS 4477, Subchannel B, was found to have a nonconservative out of specification setpoint.

RO Report 82-1

- 1-9 Plant load was reduced to allow control rod withdrawals to be performed.
1-10 A load increase was begun.
1-11 The plant was operating at 486 MWe at 1430 hours.
1-12 During surveillance testing, RCIC steam supply high flow PDIS 2441 and PDIS 2442 were found to have out of tolerance setpoints.

RO Report Pending

- 1-13 During surveillance testing, reactor low pressure (core spray and RHR valve opening permissive) switch PS 4529 was found to have an out of tolerance setpoint.

RO Report Pending

- 1-14 During normal operation torus level recorder LR 4385 was found indicating downscale.

RO Report Pending

During normal operation the "B" containment oxygen analyzer was declared inoperable. The redundant analyzer was out of service for design change work.

RO Report Pending

- 1-15 During normal operation, offgas stack sample pump 1P-247A was found inoperable. The redundant sample pump had been found inoperable earlier.

ETSV Report 82-2

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

During surveillance testing, drywell high pressure (RPS) switch PS 4315B, was found to have an out of tolerance setpoint.

RO Report Pending

- 1-18 A power increase was begun.
- 1-19 The plant was operating at 533 MWe at 1500 hours. A RHRSW system snubber and the valve yoke on CV 2037 were found broken. An evaluation was begun.
- 1-21 The LPCI system was declared inoperable pending an engineering evaluation as a result of a stress analysis (which was conducted after snubber GBC-1-SS-56 was found broken) which concluded a section of RHR piping may have been overstressed.

RO Report Pending

- 1-22 A control rod sequence exchange was completed. A power increase was begun.
- 1-24 Engineering evaluations, hydrostatic testing, NDT, and operability testing were completed on the RHRSW and LPCI systems and these systems were declared operable.
- 1-25 The plant was operating at 526 MWe at 1440 hours.
- 1-30 Power was reduced to allow repair work to be completed on the "A" main condenser airejector. A power increase was begun.
- 1-31 The plant was operating at 537 MWe at 2230 hours.