# CATEGORY 1

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PRATT,M.M. Indiana Michigan Power Co.
RICHARDSON,S.A. Indiana Michigan Power Co.
BAKKEN,A.C. Indiana Michigan Power Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1999 for Cook Nuclear Plant, Unit 1.With 990915 ltr.

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mk

Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Plant
Bridgman, MI 49106
616 465 5901

AEP
INDIANA
MICHIGAN
POWER

September 15, 1999

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1 Technical Specification 6.9.1.8, the attached Monthly Operating Report for August 1999 is submitted.

Sincerely,

A. Christopher Bakken, III
Site Vice President

ACB/bwo

Attachment

c: NRC Region III
NRC Project Manager – NRR
NRC Resident Inspector
ANI Nuclear Engineering Department
INPO Records Center

R. C. Godley
G. T. Gaffney – Canton
D. R. Hahn – Department of Health
S. Hamming – Department of Labor
G. John
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D. H. Malin
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J. E. Pollock
R. P. Powers
Regulatory Licensing Manager
M. W. Rencheck
W. H. Schalk
D. G. Turner

IE24

# N.R.C. OPERATING DATA REPORT

| | |
|---|---|
| DOCKET NO. | 50 - 315 |
| DATE | September 1, 1999 |
| COMPLETED BY | M. M. Pratt |
| TELEPHONE | 616-465-5901 |

**OPERATING STATUS**

| | | |
|---|---|---|
| 1. | Unit Name | D. C. Cook Unit 1 |
| 2. | Reporting Period | Aug-99 |
| 3. | Licensed Thermal Power (MWt) | 3250 |
| 4. | Name Plate Rating (Gross MWe) | 1152 |
| 5. | Design Electrical Rating (Net MWe) | 1020 |
| 6. | Maximum Dependable Capacity (GROSS MWe) | 1056 |
| 7. | Maximum Dependable Capacity (Net MWe) | 1000 |

Notes:

8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons: _____

9. Power Level to Which Restricted, If Any (Net MWe): _____

10. Reasons For Restrictions, If Any: _____

| | This Month | Year-to-Date | Cumulative |
|---|---|---|---|
| 11. Hours in Reporting Period | 744.0 | 5832.0 | 216216.0 |
| 12. No. of Hrs. Reactor Was Critical | 0.0 | 0.0 | 151285.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 463.0 |
| 14. Hours Generator on Line | 0.0 | 0.0 | 148821.1 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 321.0 |
| 16. Gross Thermal Energy Gen. (MWH) | 0.0 | 0.0 | 440194814.0 |
| 17. Gross Electrical Energy Gen. (MWH) | 0.0 | 0.0 | 143013940.0 |
| 18. Net Electrical Energy Gen. (MWH) | 0.0 | 0.0 | 137597640.0 |
| 19. Unit Service Factor | 0.0 | 0.0 | 69.4 |
| 20. Unit Availability Factor | 0.0 | 0.0 | 69.4 |
| 21. Unit Capacity Factor (MDC Net) | 0.0 | 0.0 | 63.3 |
| 22. Unit Capacity Factor (DER Net) | 0.0 | 0.0 | 61.7 |
| 23. Unit Forced Outage Rate | 100.0 | 100.0 | 15.3 |

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): _____
None

25. If Shut Down At End of Report Period, Estimated Date of Startup: _____
September 2000

26. Units in Test Status (Prior to Commercial Operation):

| | Forecast | Achieved |
|---|---|---|
| INITIAL CRITICALITY | | |
| INITIAL ELECTRICITY | | |
| COMMERCIAL OPERATION | | |

[illegible]

| | |
|---|---|
| DOCKET NO. | 50 - 315 |
| UNIT NAME | D.C. Cook Unit 1 |
| DATE | September 1, 1999 |
| COMPLETED BY | M. M. Pratt |
| TELEPHONE | 616-465-5901 |

## AVERAGE DAILY POWER LEVEL (MWe-Net)

### August 1999

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|---|---|---|---|
| 8/1/99 | 0 | 8/17/99 | 0 |
| 8/2/99 | 0 | 8/18/99 | 0 |
| 8/3/99 | 0 | 8/19/99 | 0 |
| 8/4/99 | 0 | 8/20/99 | 0 |
| 8/5/99 | 0 | 8/21/99 | 0 |
| 8/6/99 | 0 | 8/22/99 | 0 |
| 8/7/99 | 0 | 8/23/99 | 0 |
| 8/8/99 | 0 | 8/24/99 | 0 |
| 8/9/99 | 0 | 8/25/99 | 0 |
| 8/10/99 | 0 | 8/26/99 | 0 |
| 8/11/99 | 0 | 8/27/99 | 0 |
| 8/12/99 | 0 | 8/28/99 | 0 |
| 8/13/99 | 0 | 8/29/99 | 0 |
| 8/14/99 | 0 | 8/30/99 | 0 |
| 8/15/99 | 0 | 8/31/99 | 0 |
| 8/16/99 | 0 | | |

| | |
|---|---|
| DOCKET NO. | 50 - 315 |
| UNIT NAME | D.C. Cook Unit 1 |
| DATE | September 4, 1999 |
| COMPLETED BY | S. A. Richardson |
| TELEPHONE | 616-465-5901 |
| PAGE | 1 of 1 |

# MONTHLY OPERATING ACTIVITIES - August 1999

## HIGHLIGHTS

The unit entered this reporting period in Mode 5 at 0% RTP.

The unit exited this reporting period with the core offloaded.

There were no challenges to the pressurizer safety valves or power operated relief valves.

Gross electrical generation for the month of August was 0 MWh.

## DETAILS *

| | |
|---|---|
| 08/02/99 | At 0300 hours Train A and Train B Emergency Diesel Generators are declared operable for Modes 5 and 6. Inadequacy of design on combustion air intake, combustion exhaust, ventilation intake and exhaust structures in relation to tornado generated missiles has been addressed. Compensatory measures have been placed into effect via administrative controls. |
| 08/02/99 | At 1039 hours, commenced drain of Reactor Coolant System (RCS) to one to two feet below reactor head flange level in preparation for defueling the reactor. |
| 08/02/99 | At 2300 hours RCS level was established at 619.6 foot elevation (one to two feet below reactor vessel head flange elevation) with RCS vented to atmosphere. |
| 08/03/99 | At 0933 hours the unit entered Mode 6 as the first reactor head stud is de-tensioned. |
| 08/04/99 | At 1415 hours the reactor cavity flood up completed to support core off-load. |
| 08/05/99 | At 1914 hours commenced core off-load. |
| 08/08/99 | At 0531 hours the last fuel assembly removed from the reactor vessel. |
| 08/29/99 | At 0530 hours Train A and Train B Emergency Diesel Generators are declared inoperable for Modes 5 and 6. The meteorological monitoring system (MIDAS) is not available in the Unit 1 Control Room hence the ability to anticipate tornado winds is diminished. Per administrative controls associated with design deficiencies on diesel air intake and exhaust structures the diesels must be declared inoperable and fuel movement suspended. |
| 08/29/99 | At 0730 hours Train A and Train B Emergency Diesel Generators are declared operable for Modes 5 and 6. The meteorological monitoring system (MIDAS) is made available in the Unit 1 Control Room hence the ability to anticipate tornado winds is restored. |

* All times are in Eastern Daylight Time (EDT).

| | |
|---|---|
| DOCKET NO. | 50 - 315 |
| UNIT NAME | D.C. Cook Unit 1 |
| DATE | September 4, 1999 |
| COMPLETED BY | S. A. Richardson |
| TELEPHONE | 616-465-5901 |
| PAGE | 1 of 1 |

## UNIT SHUTDOWNS AND POWER REDUCTIONS - August 1999

| NO. | DATE | TYPE[1] | DURATION HOURS | REASON[2] | METHOD OF SHUTTING DOWN REACTOR[3] | LICENSEE EVENT REPORT NO. | SYSTEM CODE[4] | COMPONENT CODE[5] | CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE |
|---|---|---|---|---|---|---|---|---|---|
| 333 | 090897 | F | 744.0 | F | 2 | 97-010 | N/A | N/A | The unit remained shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection. |
| | | | | | | 97-011 | N/A | N/A | |
| | | | | | | 97-012 | N/A | N/A | |
| | | | | | | 97-013 | N/A | N/A | |
| | | | | | | 97-014 | N/A | N/A | |
| | | | | | | 97-016 | N/A | N/A | |

1 TYPE:
F: Forced
S: Scheduled

2 REASON:
A: Equipment Failure (Explain)
B: Maintenance or Test
C: Refueling
D: Regulatory Restriction
E: Operator Training and 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 SYSTEM:
Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)

5 COMPONENT:
Exhibit I: Same Source

Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Plant
Bridgman, MI 49106
616 465 5901

50-315

AEP
INDIANA MICHIGAN POWER

September 15, 1999

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Document Control Manager:

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Site Vice President

ACB/bwo

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R. P. Powers
Regulatory Licensing Manager
M. W. Rencheck
W. H. Schalk
D. G. Turner

1/1

IE24

220030

MR

9909210296 5PP

# N.R.C. OPERATING DATA REPORT

| | |
|---|---|
| DOCKET NO. | 50 - 315 |
| DATE | September 1, 1999 |
| COMPLETED BY | M. M. Pratt |
| TELEPHONE | 616-465-5901 |

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| 8/12/99 | 0 | 8/28/99 | 0 |
| 8/13/99 | 0 | 8/29/99 | 0 |
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| 8/15/99 | 0 | 8/31/99 | 0 |
| 8/16/99 | 0 | | |

| | |
|---|---|
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| DATE | September 4, 1999 |
| COMPLETED BY | S. A. Richardson |
| TELEPHONE | 616-465-5901 |
| PAGE | 1 of 1 |

# MONTHLY OPERATING ACTIVITIES - August 1999

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| UNIT NAME | D.C. Cook Unit 1 |
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| COMPLETED BY | S. A. Richardson |
| TELEPHONE | 616-465-5901 |
| PAGE | 1 of 1 |

## UNIT SHUTDOWNS AND POWER REDUCTIONS - August 1999

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| | | | | | | 97-011 | N/A | N/A | |
| | | | | | | 97-012 | N/A | N/A | |
| | | | | | | 97-013 | N/A | N/A | |
| | | | | | | 97-014 | N/A | N/A | |
| | | | | | | 97-016 | N/A | N/A | |

1 TYPE:
F: Forced
S: Scheduled

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

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1: Manual
2: Manual Scram
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4 SYSTEM:
Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)

5 COMPONENT:
Exhibit I: Same Source