NRC Form 366 (9-83)  LICENSEE EVENT REPORT (LER)														NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES: 8/31/85				
DONALD C. COOK UNIT II														OCKET NUMBER (2)			GE (3)	
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ON 05-16-84, WHILE IN MODE 5, THE SCHEDULED 60 MONTH CAPACITY DISCHARGE TEST WAS PERFORMED ON THE UNIT 2, AB BATTERY. FINAL TEST RESULTS INDICATED A 71 PERCENT CAPACITY OF THE MANUFACTURERS RATING, THUS NOT MEETING THE 80% CAPACITY REQUIRED BY TECHNICAL SPECIFICATIONS, PARAGRAPH 4.8.2.3.2E.

ALTHOUGH THE CAPACITY DURING THE 60 MONTH TEST WAS BELOW THAT REQUIRED, SATISFACTORY TEST RESULTS HAD BEEN OBTAINED ON THE WEEKLY, QUARTERLY, AND 18 MONTH BATTERY SURVEILLANCE TESTS. BASED ON THESE RESULTS IT IS CONCLUDED THAT THE AB BATTERY WAS CAPABLE OF PERFORMING ITS DESIGN FUNCTION IN THE MODES WHEN IT WAS REQUIRED. THE CD BATTERY REMAINED OPERABLE AT ALL TIMES EXCEPT DURING ITS 18 MONTH AND 60 MONTH SURVEILLANCE TESTS. THIS REPORT IS BEING SUBMITTED AS A VOLUNTARY REPORT TO REPORT THE RESULTS OF THE 60 MONTH DISCHARGE TEST REQUIRED BY T.S. 4.8.2.3.2E.

THE 2AB BATTERY HAS BEEN REPLACED AND IS PRESENTLY UNDERGOING PERFORMANCE TESTING WHICH WILL BE COMPLETED ON 6/17/84.

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| DONALD C. COOK UNIT II | DISTRICT | DISTRI

TEXT (If more space is required, use additional NRC Form 366A's) (17)

ON 05-16-84, WHILE IN MODE 5, MAINTENANCE PERSONNEL WERE PERFORMING A SCHEDULED 60 MONTH CAPACITY DISCHARGE TEST ON THE UNIT 2, AB BATTERY. TWENTY-SEVEN MINUTES PRIOR TO COMPLETION OF THIS SCHEDULED 6 HOUR AND 18 MINUTE TEST, THE BATTERY TERMINAL VOLTAGE DROPPED BELOW THE MINIMUM REQUIRED 210 VOLTS. AT THIS TIME IT WAS DECIDED TO COMPLETE THE TEST TO OBTAIN FINAL DATA. UPON COMPLETION, THE TERMINAL VOLTAGE WAS 199.7 VOLTS AND BATTERY CAPACITY AT 71 PERCENT OF THE MANUFACTURERS RATING, THUS NOT MEETING THE 80 PERCENT CAPACITY REQUIRED BY TECHNICAL SPECIFICATIONS, PARAGRAPH 4.8.2.3.2E.

ALTHOUGH THE CAPACITY WAS BELOW THE REQUIRED 80% DURING THE 60 MONTH SURVEILLANCE TEST, SATISFACTORY TEST RESULTS HAD BEEN OBTAINED ON THE WEEKLY, QUARTERLY, AND 18 MONTH BATTERY SURVEILLANCE TESTS CONDUCTED AFTER THE UNIT WAS SHUT DOWN AND PLACED IN COLD SHUTDOWN (MODE 5). BASED ON THESE TEST RESULTS IT IS CONCLUDED THAT THE AB BATTERY WAS CAPABLE OF PERFORMING ITS DESIGN FUNCTION IN THE MODES WHEN IT IS REQUIRED. THE CD BATTERY REMAINED OPERABLE AT ALL TIMES EXCEPT DURING ITS 18 MONTH AND 60 MONTH SURVEILLANCE TESTS, DATES ARE AS FOLLOWS:

## AB BATTERY

18 MONTH SURVEILLANCE TEST:

START DATE: 3/9/84

COMPLETION DATE: 3/14/84

60 MONTH SURVEILLANCE TEST:

START DATE: 5/15/84

COMPLETION DATE: 5/21/84

CD BATTERY

18 MONTH SURVEILLANCE TEST:

START DATE: 3/24/84

COMPLETION DATE: 4/6/84

60 MONTH SURVEILLANCE TEST:

START DATE: 5/9/84

COMPLETION DATE: 5/14/84

THE IMPLIED PURPOSE OF THE 60 MONTH SURVEILLANCE TEST IS TO IDENTIFY A BATTERY WHICH IS REACHING THE END OF ITS LIFE RATHER THAN TO DEMONSTRATE THE ABILITY OF THE BATTERY TO PERFORM ITS INTENDED FUNCTION OF PROVIDING CONTROL AND POWER FOR NEEDED AUXILIARIES.

THIS REPORT IS BEING SUBMITTED AS A VOLUNTARY REPORT TO REPORT THE RESULTS OF THE 60 MONTH CAPACITY DISCHARGE TEST REQUIRED BY T.S. 4.8.2.3.2E.

THE 2AB BATTERY HAS BEEN PEPLACED AND IS PRESENTLY UNDERGOING PERFORMANCE TESTING WHICH WILL BE COMPLETED ON 6/17/84.

THE REPLACED BATTERY WAS MANUFACTURED BY EXIDE POWER SYSTEMS AND WAS INSTALLED IN OCTOBER OF 1977. THE NEW BATTERY WAS MANUFACTURED BY C AND D POWER SYSTEMS.

Power INDIANA & MICHIGAN ELECTRIC COMPANY

System DONALD C. COOK NUCLEAR PLANT

DONALD C. COOK NUCLEAR PLANT P.O. Box 458, Bridgman, Michigan 49106 (616) 465-5901

June 14, 1984

United States Nuclear Regulatory Commission Document Control Desk Washington, D.C. 20555

Operating License DPR-74 Docket No. 50-316

Document Control Manager:

In accordance with the criteria established by 10CFR50.73 entitled Licensee Event Reporting System, the following report/s are being submitted:

RO 84-013-0

Sincerely,

W.G. Smith, Jr. Plant Manager

Successa

/cbm

Attachment

cc: John E. Dolan

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