



**INDIANA
MICHIGAN
POWER**

A unit of American Electric Power

Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
AEP.com

June 29, 2006

AEP:NRC:2573-32
10 CFR 50.73

Docket No. 50-316

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Unit 2
LICENSEE EVENT REPORT 316/2006-004-00
FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION 3.8.2,
AC SOURCES – SHUTDOWN, LCO 3.8.2.b

In accordance with the criteria established by 10 CFR 50.73 entitled Licensee Event Report System, the following report is being submitted:

LER 316/2006-004-00: "Failure to Comply with Technical Specification 3.8.2, AC Sources – Shutdown, LCO 3.8.2.b."

Attachment 1 contains the regulatory commitment identified in this submittal.

Should you have any questions, please contact Ms. Susan D. Simpson, Regulatory Affairs Manager, at (269) 466-2428.

Mark A. Peifer
Site Vice President

RAM/rdw

Attachment

JE22

c: J. L. Caldwell, NRC Region III
K. D. Curry – AEP Ft. Wayne, w/o attachment
J. T. King, MPSC – w/o attachment
MDEQ – WHMD/RPMWS – w/o attachment
NRC Resident Inspector
P. S. Tam, NRC Washington DC

ATTACHMENT 1 TO AEP:NRC:2573-32

REGULATORY COMMITMENT

The following table identifies the action committed to by Indiana Michigan Power Company (I&M) in this document. Any other actions discussed in this submittal represent intended or planned actions by I&M. They are described to the Nuclear Regulatory Commission (NRC) for the NRC's information and are not regulatory commitments.

Commitment	Date
I&M will impose cleanliness requirements on vendors who supply fuel injector pumps for application on the EDGs.	09/01/06

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollect@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. FACILITY NAME Donald C. Cook Nuclear Plant Unit 2	2. DOCKET NUMBER 05000-316	3. PAGE 1 of 2
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4. TITLE
Failure to comply with Technical Specification 3.8.2, AC Sources – Shutdown, LCO 3.8.2.b

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
04	21	2006	2006	004	00	06	29	2006	FACILITY NAME	DOCKET NUMBER

9. OPERATING MODE 5	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply) <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> 20.2201(b)</td> <td><input type="checkbox"/> 20.2203(a)(3)(i)</td> <td><input type="checkbox"/> 50.73(a)(2)(i)(C)</td> <td><input type="checkbox"/> 50.73(a)(2)(vii)</td> </tr> <tr> <td><input type="checkbox"/> 20.2201(d)</td> <td><input type="checkbox"/> 20.2203(a)(3)(ii)</td> <td><input type="checkbox"/> 50.73(a)(2)(ii)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(A)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(1)</td> <td><input type="checkbox"/> 20.2203(a)(4)</td> <td><input type="checkbox"/> 50.73(a)(2)(ii)(B)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(B)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(i)</td> <td><input type="checkbox"/> 50.36(c)(1)(i)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(iii)</td> <td><input type="checkbox"/> 50.73(a)(2)(ix)(A)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(ii)</td> <td><input type="checkbox"/> 50.36(c)(1)(ii)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(iv)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(x)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(iii)</td> <td><input type="checkbox"/> 50.36(c)(2)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)(A)</td> <td><input type="checkbox"/> 73.71(a)(4)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(iv)</td> <td><input type="checkbox"/> 50.46(a)(3)(ii)</td> <td><input checked="" type="checkbox"/> 50.73(a)(2)(v)(B)</td> <td><input type="checkbox"/> 73.71(a)(5)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(v)</td> <td><input type="checkbox"/> 50.73(a)(2)(i)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)(C)</td> <td><input checked="" type="checkbox"/> OTHER</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(vi)</td> <td><input checked="" type="checkbox"/> 50.73(a)(2)(i)(B)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)(D)</td> <td><input checked="" type="checkbox"/> Specify in Abstract below or in NRC Form 366A</td> </tr> </table>	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input checked="" type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)	<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> 20.2203(a)(2)(vi)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	<input checked="" type="checkbox"/> Specify in Abstract below or in NRC Form 366A
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12. LICENSEE CONTACT FOR THIS LER

FACILITY NAME Michael Scarpello , Regulatory Affairs	TELEPHONE NUMBER (Include Area Code) (269) 466-2649
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13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX
R	EDG	2-OME-150-CD	Worthington	Yes	R	EDG	2-PP-163	Engine Systems Incorporated	Yes

14. SUPPLEMENTAL REPORT EXPECTED				15. EXPECTED SUBMISSION DATE				
YES (If Yes, complete EXPECTED SUBMISSION DATE).				X	NO	MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

On May 1, 2006, while in MODE 5 following a planned refueling outage, it was determined that Donald C. Cook Nuclear Plant (CNP) Unit 2 failed to meet the requirements of Technical Specification (TS) 3.8.2, AC Sources – Shutdown, Limiting Condition for Operation 3.8.2.b, for 12 hours and 32 minutes between the dates of April 21, 2006, and April 22, 2006. Specifically, between 1204 hours on April 21, 2006, and 0020 hours on April 22, 2006, and again between 0319 hours on April 22, 2006, and 0335 hours on April 22, 2006, CNP Unit 2 did not have an operable emergency diesel generator (EDG). During these time periods, the Unit 2 AB EDG [EK] was out of service for planned maintenance/surveillance testing activities. Subsequently, plant personnel determined that the Unit 2 CD EDG was also inoperable due to an unidentified latent failure that resulted in mechanical binding of the fuel injector pumps. The mechanical binding of the Unit 2 CD fuel injector pumps was caused by inadequate barriers that permitted new fuel injection pumps, as supplied by the vendor, to contain foreign material of sufficient size and hardness to damage the pumps. To preclude recurrence of this event, I&M will impose cleanliness requirements on vendors who supply fuel injector pumps for application on the EDGs. This condition is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as an operational condition prohibited by TS 3.8.2, AC Sources – Shutdown and 10 CFR 50.73(a)(2)(v)(B) as an event that could have prevented the removal of residual heat. This report meets the reporting requirements of 10 CFR 21 for nonconforming materials installed in safety-related applications. Because the reportable condition discussed in this licensee event report was identified after the system was returned to operable status, notification of the event in accordance with 10 CFR 50.72, "Immediate notification requirements for operating nuclear power reactors," was not required.

LICENSEE EVENT REPORT (LER)

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
Donald C. Cook Nuclear Plant Unit 2	05000316	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 of 2
		2006	-- 004	-- 00	

17. NARRATIVE (If more space is required, use additional copies of NRC Form (366A))

Description of Event

On May 1, 2006, while in MODE 5 following a planned refueling outage, it was determined that Donald C. Cook Nuclear Plant (CNP) Unit 2 failed to meet the requirements of Technical Specification (TS) 3.8.2, AC Sources – Shutdown, Limiting Condition for Operation 3.8.2.b, for 12 hours and 32 minutes between the dates of April 21, 2006, and April 22, 2006. Specifically, between 1204 hours on April 21, 2006, and 0020 hours on April 22, 2006, and again between 0319 hours on April 22, 2006, and 0335 hours on April 22, 2006, CNP Unit 2 did not have an operable emergency diesel generator (EDG) [EK]. During these time periods, the Unit 2 AB EDG was out of service for planned maintenance/surveillance testing activities. Subsequently, plant personnel determined that the Unit 2 CD EDG was also inoperable due to an unidentified latent failure that resulted in mechanical binding of the EDG fuel injector pumps.

This condition is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as an operational condition prohibited by TS 3.8.2, AC Sources – Shutdown and 10 CFR 50.73(a)(2)(v)(B) as an event that could have prevented the removal of residual heat. This report meets the reporting requirements of 10 CFR 21 for nonconforming materials installed in safety-related applications. Because the reportable condition discussed in this licensee event report was identified after the system was returned to operable status, notification of the event in accordance with 10 CFR 50.72, "Immediate notification requirements for operating nuclear power reactors," was not required.

Analysis of Event

A risk analysis/assessment determined that this event had no associated nuclear safety significance. This event did not challenge any of the other key safety functions beyond Electrical Power Sources, as defined in NUMARC 93-01, Section 11, Rev. 2-22-2000.

Cause of Event

The mechanical binding of the Unit 2 CD fuel injector pumps was caused by inadequate barriers that permitted new fuel injection pumps, as supplied by the vendor, to contain foreign material of sufficient size and hardness to damage the pumps.

Corrective Actions

Immediate corrective actions included replacement of the suspect/defective fuel injector pumps and satisfactory retesting of the Unit 2 CD EDG in accordance with plant procedures.

Indiana Michigan Power Company will impose cleanliness requirements on vendors who supply fuel injector pumps for application on the EDGs.

Previous Similar Events

None.