

October 24, 2006

Mr. Mano K. Nazar
Senior Vice President and
Chief Nuclear Officer
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

SUBJECT: REACTOR PRESSURE VESSEL (RPV) HEAD LIFTS AT D.C. COOK
NUCLEAR POWER PLANT

Dear Mr. Nazar:

This refers to D.C. Cook Letter AEP:NRC:6514, dated September 22, 2006, and our subsequent acknowledgment letter (ML062650461) to you of the same date regarding RPV head lifts (over the RPV) following NRC staff concerns raised regarding the D.C. Cook RPV head drop analysis. In your letter, you indicated that you would perform a more detailed, rigorous quantitative analysis to provide additional safety assurance, and that you would discuss those results with NRC staff prior to subsequent lifts of the RPV head over the RPV with fuel in the vessel during the current refuel outage.

This letter documents our review of that analysis and subsequent clarifications and discussions, culminating in our discussion with your staff on October 23, 2006. During that discussion, we communicated our conclusion that your detailed analysis and commitments including a limitation on lift height, flooding of the reactor cavity, and various administrative controls described in your September 22, 2006 letter, sufficiently addressed our safety concerns for the remaining planned head lift for the current refuel outage.

We request that you immediately notify me at (630) 829-9700 if your understanding differs from that set forth above or if, for any reason, you intend to change, deviate from, or not complete any of the actions documented in your September 22, 2006 letter, as modified or bounded by your current head drop analysis, prior to the change or deviation.

However, please note that additional interaction is necessary to completely resolve the issue for the longer term. Specifically, our inspection of this issue exited with an unresolved item that remains under evaluation with respect to the plant's licensing and design bases.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from

M. Nazar

-2-

the Publically Available Records (PARS) component of NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Cynthia D. Pederson, Director
Division of Reactor Safety

Docket Nos. 50-315; 50-316
License Nos. DPR-58; DPR-74

cc: M. Peifer, Site Vice President
L. Weber, Plant Manager
S. Simpson, Regulatory Affairs Manager
G. White, Michigan Public Service Commission
L. Brandon, Michigan Department of Environmental Quality -
Waste and Hazardous Materials Division
Emergency Management Division
MI Department of State Police
State Liaison Officer, State of Michigan

the Publically Available Records (PARS) component of NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Cynthia D. Pederson, Director
Division of Reactor Safety

Docket Nos. 50-315; 50-316
License Nos. DPR-58; DPR-74

cc: M. Peifer, Site Vice President
L. Weber, Plant Manager
S. Simpson, Regulatory Affairs Manager
G. White, Michigan Public Service Commission
L. Brandon, Michigan Department of Environmental Quality -
Waste and Hazardous Materials Division
Emergency Management Division
MI Department of State Police
State Liaison Officer, State of Michigan

DISTRIBUTION:

TEB
PST
RidsNrrDirslrib
GEG
KGO
BJK1
CAA1
CDP1
DRPIII
DRSIII
PLB1
TXN
JAG
KAM
MEM2
PST
TJM1
ROPreports@nrc.gov

DOCUMENT NAME:C:\FileNet\ML062970389.wpd

Publicly Available Non-Publicly Available Sensitive Non-Sensitive

To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl "E" = Copy with attach/encl "N" = No copy

OFFICE	RIII	RIII	NRR	RIII				
NAME	Mholmberg for DHills:jb	CLipa	Mholmberg for TMcGinty	CPederson				
DATE	10/23/06	10/23/06	10/23/06	10/23/06				

OFFICIAL RECORD COPY