March 2, 2006

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

### SUBJECT: ANNUAL ASSESSMENT LETTER - D. C. COOK NUCLEAR PLANT, UNITS 1 AND 2 (REPORT 05000315/2006001; 05000316/2006001)

Dear Mr. Nazar:

On February 8, 2006, the NRC staff completed its performance review of the D. C. Cook Nuclear Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2005. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, the D. C. Cook Nuclear Plant, Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all Pls indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process baseline inspections at your facility.

While plant performance for the most recent quarter is within the Licensee Response column of the Action Matrix, there was a safety significant Performance Indicator affecting the first two quarters of the assessment cycle for Unit 2. Specifically, there was one White PI in the Scrams with Loss of Normal Heat Removal area of the Initiating Events cornerstone that returned to Green after the second quarter of calendar year 2005.

Additionally, on November 23, 2005, the staff issued two Severity Level III violations of 10 CFR 50.9 and one Severity Level III violation of 10 CFR 55.25 with a \$60,000 civil penalty in accordance with the NRC's Enforcement Policy. The violations were associated with providing incomplete and inaccurate information with regard to applications for new, renewed, or amended reactor operator licenses; providing incomplete and inaccurate information in an August 2, 2004, letter that described your corrective actions for a previous Severity Level III violation; and the failure to provide timely information with regard to a change in medical status of licensed reactor operators. The violations remain open pending further NRC review of your corrective actions.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2007. In addition to the program defined inspection activities, additional oversight activities will be conducted for the reactor vessel head replacement, scheduled for the Fall refueling outage in 2006. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Christine Lipa at 630-829-9619 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

## /RA/

Mark A. Satorius, Director Division of Reactor Projects

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

Enclosure: D. C. Cook Nuclear Plant Inspection/Activity Plan

See Attached Distribution

#### M. Nazar

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Sincerely, /**RA**/

Mark A. Satorius, Director Division of Reactor Projects

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

Enclosure: D. C. Cook Nuclear Plant Inspection/Activity Plan

#### See Attached Distribution

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### OFFICIAL RECORD COPY

cc w/encl:	J. Jensen, Site Vice President L. Weber, Plant 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 D. Lochbaum, Union of Concerned Scientists Berrien County Board Chairman Berrien County Goordinator Berrien County Sheriff EMA Coordinator, Berrien County Emergency Management Agency Mayor of Benton Harbor City Manager of Benton Harbor Mayor of St. Joseph City Manager of St. Joseph Mayor of Bridgman City Manager of Bridgman Mayor of Buchanan President, Village of Stevensville President, Village of Storeham NDO
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M. Nazar

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# D.C. Cook Inspection / Activity Plan 03/01/2006 - 09/30/2007

NumberInspection ActivityTitleon SiteStartEndType7111111LiC OPERATOR REQUAL PROGRAM EVALUATION212IP 7111111BLicensed Operator Regulaticator Program0.306/20060.310/2006Baseline Inspections13- D.C. COOK UNIT 2 ISI INSPECTION214IP 711110BInservice Inspection Activities - PWR0.327/20060/421/2006Baseline Inspections12IP 7112102- ALARA QUITAGE)212IP 7112102ALARA Planning and Controls0.403/20060/407/2006Baseline Inspections12IP 711140- EP NON-EXERCISE BASELINE112IP 7111403Emergency Response Organization Augmentation Testing0/417/20060/421/2006Baseline Inspections12IP 7111403Emergency Response Organization Augmentation Testing0/417/20060/421/2006Baseline Inspections12IP 711151Performance Indicator Verification0/417/20060/421/2006Baseline Inspections12IP 7111102Evaluation of Changas, Test, or Experimentis0/508/20066/508/2006Baseline Inspections12IP 7111107BPermanent Plant Modifications0/724/2006Baseline Inspections12IP 7111107BPermanent Plant Modifications0/724/2006Baseline Inspections12IP 7111107BPermanent Plant Modifications0/724/2006Baseline Inspections12IP 7111107BPermanent Plant Modifications0/724/2006Baseline Inspections12 </th <th>Unit</th> <th></th> <th colspan="2"></th> <th>No. of Staff</th> <th colspan="2">Planned Dates</th> <th>Inspection</th>	Unit				No. of Staff	Planned Dates		Inspection
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	1,2	IP 71151	Performance Indicator Verification			01/08/2007	01/12/2007	Baseline Inspections

This report does not include INPO and OUTAGE activities. This report shows only on-site and announced inspection procedures. Page 2 of 2

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# D.C. Cook Inspection / Activity Plan 03/01/2006 - 09/30/2007

Unit				No. of Staff	Planned Dates		Inspection
Number	Inspection A	Activity	Title	on Site	Start	End	Туре
	CDBI	- COMPO	ONENT DESIGN BASES INSPECTION	5			
1,2	IP 7111121		Component Design Bases Inspection		01/22/2007	02/23/2007	<b>Baseline Inspections</b>
	FY 2007	- D. C. C	OOK INIT PREP 02/2007	3			
1	W90152		OL - INITIAL EXAM - D.C. COOK - FEB/MAR 2007		02/26/2007	03/02/2007	Not Applicable
	FY 2007	- D. C. C	OOK INIT EXAM 03/2007	3			
1	W90152		OL - INITIAL EXAM - D.C. COOK - FEB/MAR 2007		03/19/2007	03/30/2007	Not Applicable
	71121.02	- POST (	OUTAGE ALARA	1			
1,2	IP 7112101		Access Control to Radiologically Significant Areas		03/26/2007	03/30/2007	<b>Baseline Inspections</b>
1,2	IP 7112102		ALARA Planning and Controls		03/26/2007	03/30/2007	<b>Baseline Inspections</b>
	71122.03	- REMP	& RAD MTL CONTROL	1			
1,2	IP 7112203		Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		06/11/2007	06/15/2007	<b>Baseline Inspections</b>
	HEATSINK	- HEAT S	SINK INSPECTION	1			
1,2	IP 7111107E	3	Heat Sink Performance		07/09/2007	07/13/2007	<b>Baseline Inspections</b>
	71121.01	- RADIO	LOGICAL ACCESS CONTROL	1			
1,2	IP 7112101		Access Control to Radiologically Significant Areas		09/24/2007	09/28/2007	<b>Baseline Inspections</b>
1,2	IP 71151		Performance Indicator Verification		09/24/2007	09/28/2007	Baseline Inspections