

August 23, 2002

Mr. A. C. Bakken III
Senior Vice President
Nuclear Generation Group
American Electric Power Company
500 Circle Drive
Buchanan, MI 49107

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN
D.C. COOK NUCLEAR POWER PLANT

Dear Mr. Bakken:

On July 31, 2002, the NRC staff completed its mid-cycle plant performance assessment of the D.C. Cook nuclear power plant. In accordance with NRC Inspection Manual Chapter 0305 "Operating Reactor Assessment Program," the mid-cycle review involved the participation of all technical divisions in evaluating the performance of your D.C. Cook facility for the first half of the current assessment cycle, January 1 - December 31, 2002. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix based on a White finding in the Mitigating Systems Cornerstone that was identified in March 2002. The finding was determined to be a violation of NRC requirements for failing to take prompt corrective actions to prevent a repetitive failure of the Unit 2 Turbine-Driven Auxiliary Feedwater Pump. In accordance with the NRC's Action Matrix, the NRC completed a supplemental inspection in July 2002. The results of that inspection were communicated to you in NRC Inspection Report 50-315/02-05; 50-316/02-05. Given your staff's acceptable performance in addressing this White finding, this issue will only be considered in assessing plant performance for a total of four quarters in accordance with the guidance in NRC Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program." Additionally, the final significance of a preliminary Yellow finding associated with a degraded essential service water system is still under review as part of the Significance Determination Process. We will be providing you with our final determination of that finding in a future correspondence.

The NRC has identified a substantive cross-cutting issue in the area of Problem Identification and Resolution (PI&R). We completed a PI&R inspection in April 2002 and concluded that your staff's ability to consistently identify reasonable causes for conditions adverse to quality was considered inadequate, which could adversely impact implementation of prompt and effective corrective actions to resolve problems. In addition, weak corrective action program

A. Bakken III

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implementation resulted in several performance findings associated with the failure to promptly and effectively resolve conditions adverse to quality. We will continue to closely monitor implementation of your PI&R programs during the course of routine baseline and plant status inspection activities to more thoroughly assess this area at the 2002 end-of-cycle assessment.

We also noted that you recognized an adverse trend in the area of Human Performance and began implementing an improvement plan for this area. We will monitor the effectiveness of your corrective actions in this area during the course of routine baseline and plant status inspection activities.

The enclosed inspection plan details the inspections scheduled through September 30, 2003. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspection plan for the last 6 months is tentative and may be revised at the end-of-cycle review.

In addition, the NRC is in the process of finalizing a Temporary Instruction that will be used to review implementation of the Interim Compensatory Measures required by the Agency's Security Order to all commercial nuclear power plants dated February 25, 2002. Schedules have not yet been finalized, but it is anticipated that these inspections will begin within the next calendar quarter. Once finalized, the details will be communicated by separate correspondence.

In accordance with 10 CFR 2.790 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 David Passehl at (630) 829-9872 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA by Steve Reynolds acting for/

Geoffrey E. Grant, Director
Division of Reactor Projects

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

Enclosure: D. C. Cook Inspection/Activity Plan

cc w/encl: J. Pollock, Site Vice President
M. Finissi, Plant Manager
R. Whale, Michigan Public Service Commission
Michigan Department of Environmental Quality
Emergency Management Division
MI Department of State Police
D. Lochbaum, Union of Concerned Scientists
R. Bartz, County Board Chairman
J. M. Henry, Berrien County Coordinator
Sheriff L. Paul Bailey
M. Bradley, Berrien County Emergency Management Coordinator
The Honorable Charles Yarbough
C. Roberts, Benton Harbor City Manager
The Honorable Mary Goff
F. Walsh, St. Joseph City Manager
The Honorable William Skiba
A. Anthony, Bridgman City Superintendent
The Honorable David Hagey
J. Wilkins, Buchanan Town Manager
M. Harris, President, Village of Stevensville
J. Choudoir, President, Village of Berrien Springs
L. Larsen, President, Village of Shorham
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D.C. Cook
Inspection / Activity Plan
09/01/2002 - 09/30/2003

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	IP 71122	- LIQ/GASEOUS EFFLUENTS INSPECTION	1			
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/23/2002	09/27/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		09/23/2002	09/27/2002	Baseline Inspections
	FY 2003	- D. C. COOK INIT PREP 10/2002	2			
1	W90053	OL - INITIAL EXAM - D. C. COOK - OCT/NOV/DEC 2002		10/07/2002	10/11/2002	Not Applicable
	FY 2003	- D. C. COOK INIT EXAM 11&12/2002	3			
1	W90053	OL - INITIAL EXAM - D. C. COOK - OCT/NOV/DEC 2002		11/18/2002	12/06/2002	Not Applicable
	IP 71114	- EP BASELINE INSPECTION (NON-EXERCISE)	1			
1, 2	IP 7111402	Alert and Notification System Testing		12/02/2002	12/06/2002	Baseline Inspections
1, 2	IP 7111403	Emergency Response Organization Augmentation Testing		12/02/2002	12/06/2002	Baseline Inspections
1, 2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		12/02/2002	12/06/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		12/02/2002	12/06/2002	Baseline Inspections
	IP 71121	- RP INSTRUMENT & ACCESS CNTRL INSPECTION	1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		12/02/2002	12/06/2002	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/02/2002	12/06/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		12/02/2002	12/06/2002	Baseline Inspections
	MAIN B	- BIENNIAL MAINTENANCE RULE	1			
1, 2	IP 7111112B	Maintenance Effectiveness		01/20/2003	01/24/2003	Baseline Inspections
	HT SNK B	- HEAT SINK BIENNIAL (DRS)	1			
1, 2	IP 7111107B	Heat Sink Performance		02/04/2003	02/08/2003	Baseline Inspections
	PI&R	- PROBLEM IDENTIFICATION AND RESOLUTION	3			
1, 2	IP 71152	Identification and Resolution of Problems		02/03/2003	03/07/2003	Baseline Inspections
	IP 71121	- RP ACCESS CONTROLS INSPECTION	1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/03/2003	03/07/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		03/03/2003	03/07/2003	Baseline Inspections
	FPI	- TRIENNIAL FIRE PROTECTION	4			
1, 2	IP 7111105T	Fire Protection		03/24/2003	04/11/2003	Baseline Inspections
	71121.02	- OUTAGE ALARA INSPECTION	1			
1, 2	IP 7112102	ALARA Planning and Controls		04/21/2003	04/25/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		04/21/2003	04/25/2003	Baseline Inspections
	ISI	- ISI FOR UNIT 2	1			
2	IP 7111108	Inservice Inspection Activities		05/12/2003	05/23/2003	Baseline Inspections
	SSDI	- SAFETY SYSTEM DESIGN	6			
1, 2	IP 7111121	Safety System Design and Performance Capability		06/23/2003	07/11/2003	Baseline Inspections

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

D.C. Cook
Inspection / Activity Plan
09/01/2002 - 09/30/2003

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	71114.01	- BIENNIAL EP EXERCISE	3			
1, 2	IP 7111401	Exercise Evaluation		07/21/2003	07/25/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		07/21/2003	07/25/2003	Baseline Inspections
	71122.03	- REMP/RAD MTL CONTROL INSP	1			
1, 2	IP 7112203	Radiological Environmental Monitoring Program		07/28/2003	08/01/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		07/28/2003	08/01/2003	Baseline Inspections