July 24, 2001

Mr. R. P. Powers
Senior Vice President
Nuclear Generation Group
American Electric Power Company
500 Circle Drive
Buchanan, MI 49107-1395

SUBJECT: D. C. COOK NUCLEAR POWER PLANT, UNITS 1 AND 2
NRC INSPECTION REPORT 50-315/01-13(DRS); 50-316/01-13(DRS)

Dear Mr. Powers:

On July 13, 2001, the NRC completed an inspection at your D. C. Cook Nuclear Power Plant, Units 1 and 2. The enclosed report documents the inspection findings, which were discussed on July 13, 2001, with you and members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Specifically, this inspection focused on emergency preparedness, including your staff's determinations of performance indicators for the Emergency Preparedness Cornerstone.

No findings of significance were identified.

In accordance with 10 CFR Part 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be 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/NRC/ADAMS/index.html (the Public Electronic Reading Room).

Sincerely,

/RA/

Wayne J. Slawinski, Acting Chief
Plant Support Branch
Division of Reactor Safety

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

Enclosure: Inspection Report 50-315/01-13(DRS);
50-316/01-13(DRS)

See Attached Distribution

Mr. R. P. Powers
Senior Vice President
Nuclear Generation Group
American Electric Power Company
500 Circle Drive
Buchanan, MI 49107-1395

SUBJECT: D. C. COOK NUCLEAR POWER PLANT, UNITS 1 AND 2
NRC INSPECTION REPORT 50-315/01-13(DRS); 50-316/01-13(DRS)

Dear Mr. Powers:

On July 13, 2001, the NRC completed an inspection at your D. C. Cook Nuclear Power Plant, Units 1 and 2. The enclosed report documents the inspection findings, which were discussed on July 13, 2001, with you and members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Specifically, this inspection focused on emergency preparedness, including your staff's determinations of performance indicators for the Emergency Preparedness Cornerstone.

No findings of significance were identified.

In accordance with 10 CFR Part 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be 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/NRC/ADAMS/index.html (the Public Electronic Reading Room).

Sincerely,

/RA by Acting For/

Wayne J. Slawinski, Acting Chief
Plant Support Branch
Division of Reactor Safety

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

Enclosure: Inspection Report 50-315/01-13(DRS);
50-316/01-13(DRS)

See Attached Distribution
DOCUMENT NAME: C:\Program Files\Adobe\Acrobat 4.0\PDF Output\DCC01-13drs.wpd
To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	RIII		RIII		RIII			
NAME	RJickling for TPloski:sd		AVegel		WSlawinski			
DATE	07/23/00		07/23/00		07/24 /00			

OFFICIAL RECORD COPY

cc w/encl: A. C. Bakken III, Site Vice President
J. Pollock, Plant Manager
M. Rencheck, Vice President, Nuclear Engineering
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
W. Curtis, FEMA, Region V

cc w/encl: A. C. Bakken III, Site Vice President
J. Pollock, Plant Manager
M. Rencheck, Vice President, Nuclear Engineering
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
W. Curtis, FEMA, Region V

ADAMS Distribution:
CMC1
DFT
JFS2
RidsNrrDipmIipb
GEG
HBC
BLB1
C. Ariano (hard copy)
DRPIII
DRSIII
PLB1
JRK1

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos:	50-315; 50-316
License Nos:	DPR-58; DPR-74
Report No:	50-315/01-13(DRS); 50-316/01-13(DRS)
Licensee:	American Electric Power Company
Facility:	D. C. Cook Nuclear Power Plant, Units 1 and 2
Location:	1 Cook Place Bridgman, MI 49106
Dates:	July 9 through July 13, 2001
Inspectors:	T. Ploski, Senior Emergency Preparedness Analyst R. Jickling, Emergency Preparedness Analyst J. Maynen, Resident Inspector
Approved by:	Wayne J. Slawinski, Acting Chief Plant Support Branch Division of Reactor Safety

SUMMARY OF FINDINGS

IR 05000315-01-13(DRS);05000316-01-13(DRS), on 07/09-07/13/2001, American Electric Power Company, D. C. Cook Nuclear Power Plant, Units 1 and 2. Emergency Preparedness Specialist Report.

The report covers a one week baseline inspection by two regional emergency preparedness inspectors and a resident inspector. The inspection focused on the Reactor Safety, Emergency Preparedness Cornerstone during the biennial emergency preparedness exercise, and included a review of records related to the three emergency preparedness performance indicators for the period ending March 31, 2001. No findings of significance were identified. The significance of most findings is indicated by their color (Green, White, Yellow, Red) using IMC 0609 "Significance Determination Process" (SDP). The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described at its Reactor Oversight Process website at **http://www/nrc.gov/NRR/OVERSIGHT/index.html.** Findings for which the SDP does not apply are indicated by "No Color" or by the severity level of the applicable violations.

Report Details

Summary of Plant Status

The plant was at about 100 percent power throughout the inspection period.

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation

a. Inspection Scope

The inspectors reviewed the 2001 exercise's objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan, and to verify that the exercise's simulated problems provided an acceptable framework to support demonstration of the licensee's capability to implement its plan. The inspectors also reviewed records of two practice drills, which were conducted in June 2001, to determine whether the associated accident scenarios were sufficiently different from the scenario used in the July 10 exercise.

The inspectors evaluated the licensee's exercise performance, focusing on the risk-significant activities of emergency classification, notification, and protective action decision making, as well as implementation of accident mitigation strategies in the following emergency response facilities:

- Control Room Simulator (CRS)
- Technical Support Center (TSC)
- Operations Support Center (OSC)
- Emergency Operations Facility (EOF)

The inspectors also assessed the licensee's recognition of abnormal plant conditions, transfer of responsibilities between facilities, internal communications, interface with offsite officials, readiness of emergency facilities and related equipment, and overall implementation of the licensee's emergency plan.

The inspectors attended post-exercise critiques in the OSC, TSC, and EOF to evaluate the licensee's initial self-assessment of its exercise performance. The inspectors later met with the licensee's lead exercise evaluators to obtain the licensee's refined assessments of its exercise participants' performances. These self-assessments were then compared with the inspectors' independent observations and assessments.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator (PI) Verification

a. Inspection Scope

The inspectors reviewed the licensee's records related to each of the three emergency preparedness PIs to verify that the licensee's program was implemented consistent with the industry guidelines in Nuclear Energy Institute (NEI) 99-02 and licensee procedures. Specifically, licensee records related to the performance of the Alert and Notification System (ANS), Emergency Response Organization (ERO) Drill Participation, and Drill and Exercise Performance (DEP) were reviewed to verify the accuracy and completeness of the data submitted for the period April 2000 through March 2001.

b. Findings

No findings of significance were identified.

4OA6 Management Meetings

Exit Meeting Summary

The inspectors presented the inspection results to Mr. R. Powers and other members of licensee management and staff at the conclusion of the inspection on July 13, 2001. The licensee acknowledged the information presented. No proprietary information was identified.

KEY POINTS OF CONTACT

Licensee

C. Bakken, Site Vice President
C. Graffenius, EP Specialist
P. Holland, EP Manager
I. Jackiw, Nuclear Regulatory Affairs Specialist
R. Krieger, EP Specialist
W. Lacey, Plant Engineering Director
J. McMahon, Support Services Director
J. Molden, Acting Plant Manager
K. Molloy, EP Specialist
T. Noonan, Performance Assurance Specialist
R. Powers, Senior Vice President
E. Ridgell, Compliance and Licensing Supervisor

LIST OF ACRONYMS USED

ANS	Alert and Notification System
CFR	Code of Federal Regulations
CR	Condition Report
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
DRS	Division of Reactor Safety
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
IMC	Inspection Manual Chapter
IR	Inspection Report
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

	D. C. Cook Nuclear Power Plant Emergency Plan	Revision 16
	2001 Emergency Response Exercise Manual	
	Scenario Summary of Rehearsal #1	June 1, 2001
	Scenario Summary of Rehearsal #2	June 26, 2001
	Exercise Critique Draft Summary	July 12, 2001
2080-EPP-100	Emergency Response	Revision 0
2080-EPP-101	Emergency Classification	Revision 3
2080-EPP-107	Notifications	Revision 15a
2080-TSC-001	Activation and Operation of the TSC	Revision 0
2080-OSC-001	Activation and Operation of the OSC	Revision 0
2080-EOF-001	Activation and Operation of the EOF	Revision 0

4OA1 Performance Indicator Verification

	Basis for Key ERO Participation - First Quarter 2001
	Records of Monthly ANS Operability Tests, April 2000 through March 2001
	ERO Drill and Exercise Participation Records, April 2000 through March 2001
	Records of DEP Opportunities, April 2000 through March 2001
CR-00-10524	Missed Unusual Event Classification During a Drill Inaccurate Information for First Quarter 2001
CR-01-19007	ERO Drill Participation Data