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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME AUTHOR AFFILIATION  
 ALEXICH, M. P. Indiana & Michigan Electric Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Forwards semiannual progress rept on DCRDR for period ending  
 860901. Rept includes task descriptions & estimated  
 completion schedule.

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# INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631  
COLUMBUS, OHIO 43216

September 30, 1986  
AEP:NRC:0773U

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
SEMI-ANNUAL PROGRESS REPORT ON DCRDR

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555


Dear Mr. Denton:

In our September 28, 1984 letter AEP:NRC:0773I we committed to submitting a semi-annual progress report on our Detailed Control Room Design Review (DCRDR) program to keep your staff apprised.

The first table of the attachment presents an overall view and a comparison of our September 1, 1986 status with our March 1, 1986 status. After our March 31, 1986 progress report, your staff requested additional status information on the D. C. Cook Control Room enhancements and modifications that are installed and planned. Tables II and III of the attachment provide task descriptions, status, and the estimated completion dates. Our DCRDR Summary Report, which we plan to submit to you in December 1986, will present a more detailed implementation schedule.

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

  
M. P. Alexich  
Vice President  
9/30/86

MPA/cm

Attachment

cc: John E. Dolan  
W. G. Smith, Jr. - Bridgman  
R. C. Callen  
G. Bruchmann  
G. Charnoff  
NRC Resident Inspector - Bridgman

8610070350 860930  
PDR ADOCK 05000315  
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A003  
11



D. C. COOK PLANT  
DCRDR PROGRESS REPORT

Table I of III

TASK DESCRIPTION	STATUS 03/01/86 % Complete	STATUS 09/01/86 % Complete	ESTIMATED COMPLETE DATE
PHASE I - PLANNING	100	-	-
PHASE II - REVIEW			
All except control room human factors survey (CRHFS) of SPDS	100	-	-
CRHFS of SPDS	0	50	12/31/86
PHASE III - ASSESSMENT			
All CLOs except SPDS	86	100	8/1/86
SPDS CLOs	0	10	12/31/87
PHASE III - IMPLEMENTATION*	9	18	**
Enhancements	24	48	12/31/87
Physical	26	45	12/31/87
Administrative, Procedural, Training, Maintenance, etc.	20	- 55	12/31/87
Minor Modifications	6	14	12/31/88
Design	30	50	12/31/87
Installation	0	5	12/31/88
Major Modifications	3	4	**
Design	15	20	**
Installation	0	0	**
PHASE IV - REPORTING	0	0	12/31/86

\* See Tables II and III for individual task status.

\*\* It is not possible to assess and pinpoint completion dates at this time, but they will be included in the Summary Report.

The percentages shown are an estimate, not an exact mathematical accounting. Further, items shown as 100% complete reflect the status of both control rooms as of October 1985 (the end of the Unit 1 refueling outage). Modifications completed after the October 1985 cut-off date will be reviewed, assessed, and reported later in an orderly manner. For example, the SPDS will be reviewed, but not fully assessed or corrective action planned in time for the December 31, 1986 Program Summary Report. A preliminary assessment of the SPDS problems found by the review will be included in that report.

D. C. COOK PLANT  
DCRDR ENHANCEMENTS STATUS

Table II of III

TASK DESCRIPTION	STATUS 09/01/86 % Complete	ESTIMATED COMPLETE DATE
Control Room Rug	100	---
Reg Guide 1.97 Stickers	100	---
Critical Equipment Tape	100	---
Safety Train Tape	100	---
Mimic Lines	100	---
Panel Labels/Demarc Lines	100	---
Engraved White Lamp Caps	100	---
Valve mark No. Labels	100	---
Instrument Mark No. Labels	100	---
Control Station Stickers	50	9/15/86
Control Station Labels	20	10/31/86
Recorder Point/Pen Labels	50	11/31/86
System/Subsys Labels & Demarc Lines	50	12/31/86
Component Nameplates	50	12/31/86
Annunciator Window Engraving.	50	12/31/86
Annunciator Window Priority Coding	50	12/31/86
Status/Monitor Lights Window Engraving	50	12/31/86
Control Switch Escutcheon Plate	40	*
Control Switch Handle Shape/Color Coding	45	*
Control Station Handle Shape Coding	25	*
Indicating Displays Operating Zone Coding	20	*
Information Labels	25	12/31/87
Plant Administrative	75	12/31/87
Plant Procedural	45	12/31/87
Plant Maintenance	50	12/31/87
Plant Other	50	12/31/87
Recorder Chart/Scale Revisions	40	12/31/87
Backlighted Pushbuttons Engraving	50	12/31/87
Indicating Lamp Color Codes	80	12/31/87
Drum Counter Stickers	80	12/31/87
Motor Operated Valve Position Indicators	20	*

\* First refueling outage after 12/31/86, not including Unit 1 Spring 1987 Outage. However, as many minor modification-related enhancement jobs as practical will be installed during Unit 1 Spring 1987 Outage.

D. C. COOK PLANT  
DCRDR MODIFICATIONS STATUS

Table III of III

TASK DESCRIPTION	STATUS 09/01/86 % Complete	ESTIMATED COMPLETE DATE
Control Room Lighting	60	12/31/87
Indicating Scale Replacements	20	*
Control Switch Revisions - SG Panel	20	**
ESW Panel	20	**
FP Panel	20	**
Annunciator Window Rearrangement	10	**
Status/Monitor Lt Window Rearrangement	10	**
Tavg & T Indicators Rearrangement	20	**
MSR Controls/Indic Rearrangement	20	*
SPC 400/402	20	*
Recorder Inking Systems Revisions	30	12/31/87
P-250 Panel Indicator & Failure Alarm	15	**
Unused Equipment Removal		
Load Frequency Control	20	**
FP Warming & Coupling Controls	20	**
Part Length Rod Control/Indic	20	**
FW Chemical Control/Recorder	20	**
Panel Rearrangements - SG Panel	10	***
- RHR Panel	20	***
- BA Panel	20	***
- SPY Panel	20	***
- IV Panel	20	***
New Panel Equipment		
Cntmt Ph A/B/Vent Isol Status Lights	15	***
SG Pressure Recorders	20	***
SG Steam Relief Valves Position Indic	20	***
PRZ Spray Valves Position Lamps	20	***
New Wireless Radio System	15	12/31/89
PA Priority Stations	20	12/31/89
PA Auto Gain Speakers	20	12/31/89
PA Hear-Here Booths	20	12/31/89
CAS Panel Alarm Display	20	***
RCP Oil Pots Level Alarms Revisions	20	***
FW Isolation Alarm	20	**
Transmitter Reranging - U1 Stm Packing Exh Press	20	**
- U2 BIT Flows	20	**
- CCW RX Support Flows	20	**
- CCW Excletan HX Flows	20	**
- CCW RCP Coolers Flows	20	**
RMS Display Replacement	50	12/31/87
BIT & SI Flows Square Root Extractors	20	*

- \* First refueling outage after 12/31/86, not including Unit 1 Spring 1987 Outage. However, as many minor modification jobs as practical will be installed during Unit 1 Spring 1987 Outage.
- \*\* First and/or second refueling outages after 12/31/86, not including Unit 1 Spring 1987 Outage.
- \*\*\* It is not possible to assess and pinpoint completion dates at this time, but they will appear in the Summary Report.





September 30, 1986

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DOCKET NO(S). 50-315 and 50-316  
Mr. John Dolan, Vice President  
Indiana and Michigan Electric Company  
c/o American Electric Power Service Corporation  
1 Riverside Plaza  
Columbus, Ohio 43216

SUBJECT: D.C. Cook Nuclear Plant, Units 1 and 2

The following documents concerning our review of the subject facility are transmitted for your information.

- ☐ Notice of Receipt of Application, dated \_\_\_\_\_.  
☐ Draft/Final Environmental Statement, dated \_\_\_\_\_.  
☐ Notice of Availability of Draft/Final Environmental Statement, dated \_\_\_\_\_.  
☐ Safety Evaluation Report, or Supplement No. \_\_\_\_\_ dated \_\_\_\_\_.  
☐ Environmental Assessment and Finding of No Significant Impact, dated \_\_\_\_\_.  
☐ Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License, dated \_\_\_\_\_.  
☒ Bi-Weekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Considerations, dated 9/24/86 [see page(s)] 33951.  
☐ Exemption, dated \_\_\_\_\_.  
☐ Construction Permit No. CPPR-\_\_\_\_\_, Amendment No. \_\_\_\_\_ dated \_\_\_\_\_.  
☐ Facility Operating License No. \_\_\_\_\_, Amendment No. \_\_\_\_\_ dated \_\_\_\_\_.  
☐ Order Extending Construction Completion Date, dated \_\_\_\_\_.  
☐ Monthly Operating Report for \_\_\_\_\_ transmitted by letter dated \_\_\_\_\_.  
☐ Annual/Semi-Annual Report- \_\_\_\_\_  
\_\_\_\_\_ transmitted by letter dated \_\_\_\_\_.

Office of Nuclear Reactor Regulation

Enclosures:  
As stated

cc: See next page

OFFICE	FWR/4/DPWR-A	FWR/4/DPWR-A					
SURNAME	MDuncan/rad	DWigginton					
DATE	09/30/86	09/30/86					

