



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

December 14, 1990

Docket Nos. 50-315
and 50-316

Mr. Milton P. Alexich
Indiana Michigan Power Company
c/o American Electric Power
Service Corporation
1 Riverside Plaza
Columbus, Ohio 43216

Dear Mr. Alexich:

SUBJECT: EMERGENCY RESPONSE CAPABILITY - CONFORMANCE TO REGULATORY GUIDE 1.97
REVISION 3 FOR THE D. C. COOK NUCLEAR PLANT, UNITS 1 AND 2 (TAC NOS.
77240 AND 77241)

In Generic Letter (GL) 82-33 each licensee of an operating reactor was requested to provide a report to the NRC describing how the post-accident monitoring instrumentation meets the guidelines of Regulatory Guide (R.G.) 1.97 as applied to emergency response facilities. You responded to item 6.2 of the GL on February 28, 1985. Additional information was provided by letters dated October 15, 1985, September 23, 1986, March 6, 1987, June 29, 1987 and October 5, 1988.

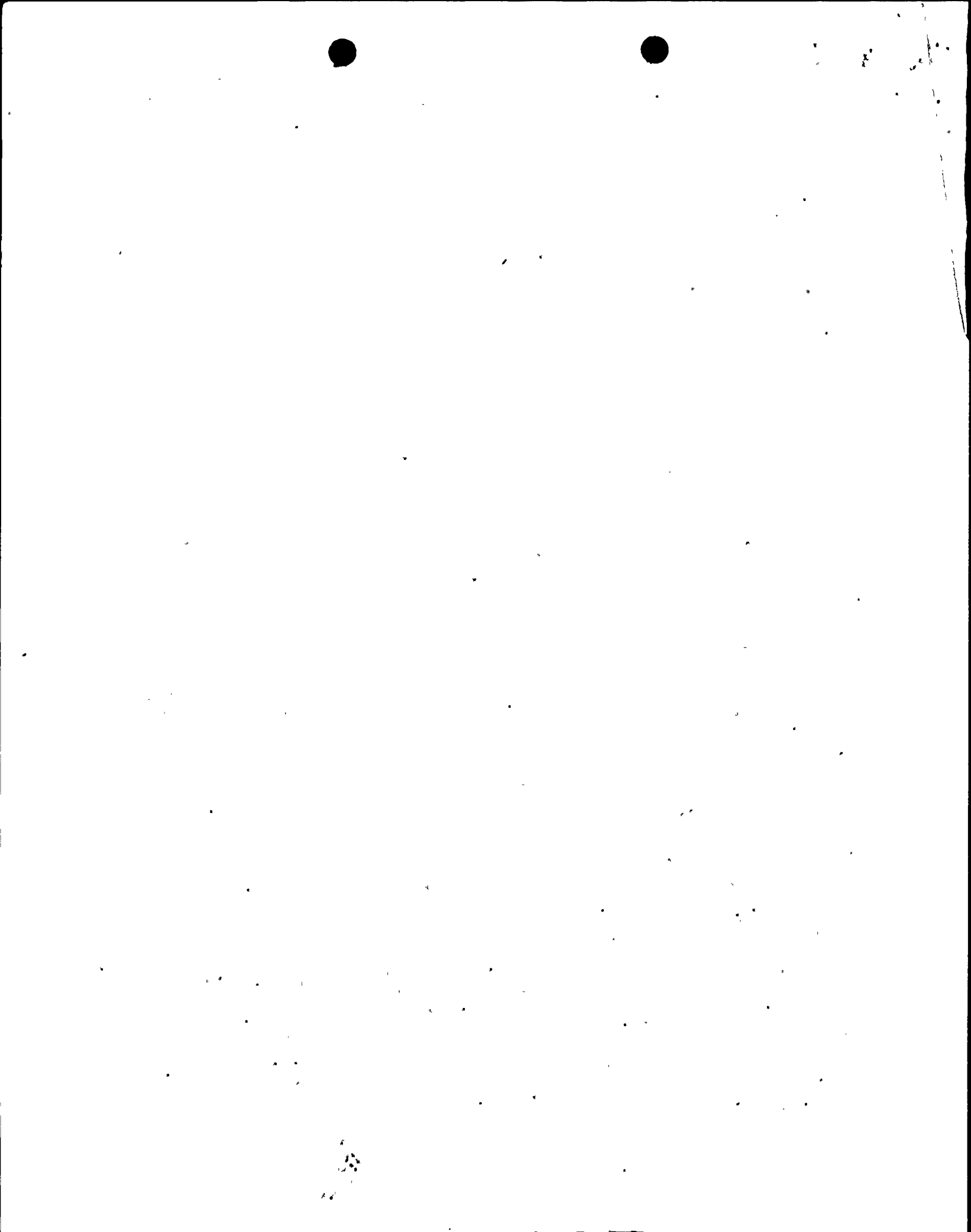
We completed our review of your submittals as indicated in the staff's Safety Evaluation dated September 11, 1989. However, although this Safety Evaluation referenced your October 5, 1988 letter, information provided by that letter was not incorporated into the Safety Evaluation. By letter dated October 16, 1989, you provided additional information on this subject.

We have reviewed your submittals of October 5, 1988 and October 16, 1989 with our contractor EG&G of Idaho. The details of our contractor's review are contained in the Technical Evaluation Report (TER) "Conformance to Regulatory Guide 1.97: Cook - 1/-2," dated August 1990 which is attached to our Safety Evaluation. We have reviewed this report and concur in its findings that the D. C. Cook Nuclear Plant, Units 1 and 2 either conforms to R. G. 1.97 for each post-accident monitoring variable or that you have adequately provided justification for deviations from R. G. 1.97 with the exception of the variable wide range steam generator level.

It is the staff's position that instrumentation provided by the wide range steam generator level monitoring instrumentation is needed by the operator in the evaluation of the availability of the steam generators as heat sinks. It is also the staff's position that you should install wide range steam generator level monitoring instrumentation which fully complies with the Category 1 criteria of 10 CFR 50.49, R. G. 1.97 and R.G. 1.100 for the D. C. Cook Nuclear Plant, Units 1 and 2. For details with respect to our evaluation, see the enclosed supplemental Safety Evaluation.

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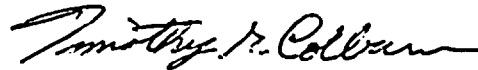
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We request that you provide the staff with a schedule within 45 days receipt of this letter for installation of the Category I steam generator wide range level instrumentation at D. C. Cook, Units 1 and 2. This request for information affects fewer than 10 respondents; therefore, OMB clearance is not required under P.L. 96-511.

If you have any questions please contact me at (301) 492-1341.

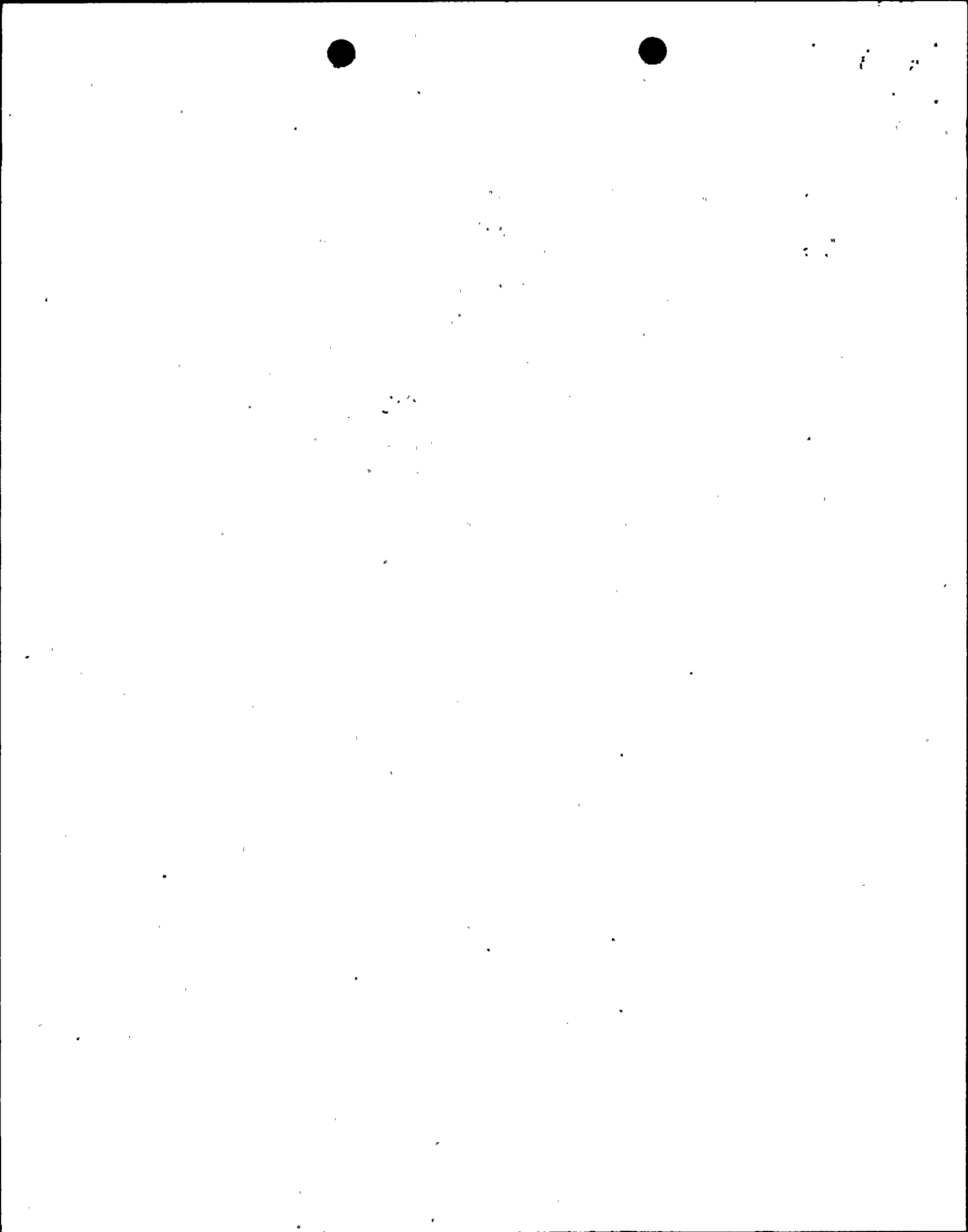
Sincerely,



Timothy G. Colburn, Sr. Project Manager
Project Directorate III-1
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Enclosure:
Supplemental Safety
Evaluation

cc: See next page



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/s/

Timothy G. Colburn, Sr. Project Manager
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Division of Reactor Projects III/IV/V
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LA/PD31:DRP345
SMEADOR
12/14/90 *same*

Rec
PM/PD31:DRP345
TCOLBURN
12/14/90

Rec for
D/PD31:DRP345
LMARSH
12/14/90

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Mr. Milton Alexich
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

cc:

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