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Fax: 440-280-8029February 16, 2011
L-11-050

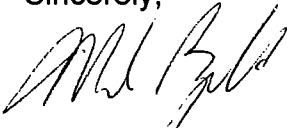
10 CFR 50.46(a)

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001SUBJECT:
Perry Nuclear Power Plant
Docket No. 50-440, License Number NPF-58
2010 Annual Report

Attached is the 2010 Annual Report for the Perry Nuclear Power Plant (PNPP). This report is submitted in accordance with 10 CFR 50.46(a)(3)(ii), and also fulfills ongoing commitments associated with License Commitment 17 contained in the PNPP Updated Safety Analysis Report, Appendix 1B.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Robert B. Coad, Manager - Regulatory Compliance, at (440) 280-5328.

Sincerely,


Mark Bezilla

Attachment: 2010 Annual Report

cc: NRC Region III Administrator

NRC Resident Inspector Office

NRC Project Manager

REIRS Project Manager

A001
A002
NRC

Attachment
L-11-050

FIRSTENERGY NUCLEAR OPERATING COMPANY
PERRY NUCLEAR POWER PLANT
DOCKET NUMBER: 50-440 LICENSE NUMBER: NPF-58

ANNUAL REPORT TO U.S. NUCLEAR REGULATORY COMMISSION
January 1, 2010 to December 31, 2010

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and Errors

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10 CFR 50.46 Reporting of Emergency Core Cooling System (ECCS) Model Changes
and Errors

Change or Error in an acceptable evaluation model or application of such model?

Changes:

None

Errors:

None

A review was conducted of the Corrective Action Program, correspondence/notifications from General Electric and Global Nuclear Fuels, Supplemental Reload Licensing Report for Perry Reload 12 / Cycle 13, and Perry calculation FM-038, Perry Peak Cladding Temperatures. No errors or changes were issued to Perry during the year 2010.

Additionally, the Supplemental Reload Licensing Report for Perry Reload 13 / Cycle 14 was reviewed. No errors or changes other than those previously identified in the Supplemental Reload Licensing Report for Perry Reload 12 / Cycle 13 were identified.

Silicone Sealant Inspections and Testing

2010 was a non refuel outage year for the Perry Nuclear Power Plant. As a result, there were no inspections scheduled or performed in 2010. Inspection activities are presently scheduled to be performed in refueling outage 13 (1R13) scheduled for April - May 2011.

During 1R13, visual inspection of exposed ductwork will be performed to check for indication of sealant degradation and test specimens will be leak tested to determine if any degradation of silicone has occurred.