



FirstEnergy Nuclear Operating Company

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Perry Nuclear Power Plant
Docket No. 50-440
Subject: 2005 Annual Report

Ladies and Gentlemen:

Attached is the 2005 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.

If there are any questions or if additional information is required, please contact Mr. Jeffrey Lausberg, Manager-Regulatory Compliance at (440) 280-5940.

Very truly yours,

Attachment

cc: NRC Project Manager
NRC Resident Inspector Office
NRC Region III
REIRS Project Manager

A001

FIRSTENERGY NUCLEAR OPERATING COMPANY

PERRY NUCLEAR POWER PLANT

January 1, 2005 to December 31, 2005

ANNUAL REPORT TO NRC

DOCKET NUMBER: 50-440
LICENSE NUMBER: NPF-58

Contents

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

Silicone Sealant Inspections

10 CFR 50.46 Reporting of ECCS Model Changes and Errors

New Model Changes:

None

New Model Errors:

None

Silicone Sealant Inspections

In accordance with commitments made in response to License Commitment 17 of the Perry Nuclear Power Plant Updated Final Safety Analysis Report, Appendix 1B, the following summary report is provided. During Refueling Outage 10 in 2005, duct specimens located within the Intermediate Building 585' pipe chase were inspected. The duct specimens were leak tested at rated pressure and found to be acceptable. The results of the duct specimen leak test showed that no additional air leakage was present.

The Engineered Safety Features (ESF) ventilation systems, i.e., the Annulus Exhaust Gas Treatment System, the Control Room HVAC System, and the Fuel Handling Building Ventilation System, were walked down and a representative portion of the exposed exterior silicone sealants were inspected. The exposed exterior sealant on all ductwork inspected during this walkdown was found to be in good condition with no observable degradation or leakage.